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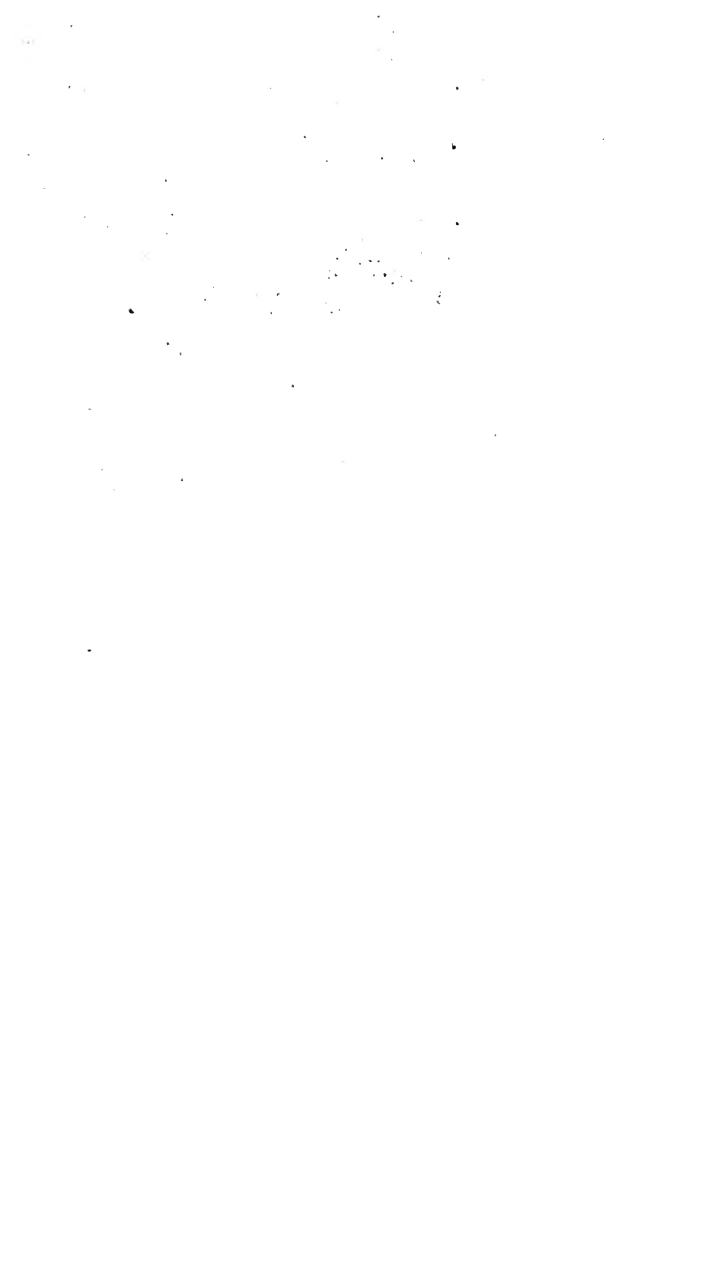
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FIFTIETH

Coal Report of Illinois

1931

LOUIS L. EMMERSON, Governor

DEPARTMENT OF MINES
AND MINERALS

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JOHN G. MILLHOUSE, Director
Springfield

PETER JOYCE, Assistant Director
Springfield

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LETTER OF TRANSMITTAL

STATE OF ILLINOIS,
DEPARTMENT OF MINES AND MINERALS,
SPRINGFIELD, ILL., July 1, 1932.

Honorable LOUIS L. EMMERSON, Governor of Illinois.

SIR: I have the honor to submit herewith the Fiftieth Annual Coal Report of the State for the year ended December 31, 1931, together with the reports of other divisions of the Department of Mines and Minerals.

Respectfully submitted,
JOHN G. MILLHOUSE, *Director.*



LOUIS L. EMMERSON
Governor

DEPARTMENT OF MINES AND MINERALS

JOHN G. MILLHOUSE, *Director*

PETER JOYCE, *Assistant Director.*

STATE MINING BOARD

JOHN G. MILLHOUSE, *Director*, Springfield.

FRED S. PFAHLER, Gillespie.

JOSEPH VIANO, Coal City.

PAUL WEIR, Centralia.

JOHN MENTLER, Centralia.

MINERS' EXAMINING BOARD

GEORGE HALL, *President*, Springfield.

JOHN MILLETT, *Secretary*, Collinsville.

ED. DONAHUE, West Frankfort.

JOHN V. OLDANI, Herrin.

MINE RESCUE AND FIRST-AID SUPERINTENDENTS

La Salle Station, ALEXANDER SKELTON.

Springfield Station, JAMES CLUSKER.

Benton Station, WALTER ANDERSON.

Eldorado Station, FRANK PATTERSON.

Duquoin Station, JAMES ROBERTSON.

Herrin Station, THOMAS ROGERS.

Belleville Station, IVAN GRIEVE.

Johnston City Station, BLAND D. STUTSMAN.

STATE INSPECTORS OF MINES

First District—Bureau, Grundy, Henry, La Salle, Livingston, Mercer, Putnam, Rock Island and Will Counties.

PETER FALETTI, *Inspector*, Dalzell.

Second District—McLean, Marshall, Peoria, Stark, Tazewell and Woodford Counties.

HARRY C. HINDSON, *Inspector*, Peoria.

Third District—Adams, Brown, Cass, Fulton, Hancock, Knox, McDonough, Schuyler and Warren Counties.

THOMAS P. BACK, *Inspector*, Canton.

Fourth District—Christian, Logan, Menard, Morgan, Pike, Sangamon and Scott Counties.

HARRY MARSHALL, *Inspector*, Springfield.

Fifth District—Edgar, Macon, Moultrie and Vermilion Counties.

FRED T. HODGES, *Inspector*, Danville.

Sixth District—Greene, Jersey, Macoupin, Montgomery and Shelby Counties.

JOHN K. FRASER, *Inspector*, Carlinville.

Seventh District—Bond, Madison and Marion Counties.

JOHN WHITE, *Inspector*, Collinsville.

Eighth District—Clinton, Monroe and St. Clair Counties.

JAMES R. RICHARDS, *Inspector*, Belleville.

Ninth District—Jackson, Perry, Randolph and Washington Counties.

EDWARD S. FLYNN, *Inspector*, Duquoin.

Tenth District—Franklin and Jefferson Counties.

JAMES WEIR, *Inspector*, Benton.

Eleventh District—Gallatin, Saline, Wabash and White Counties.

GEORGE BAGWILL, *Inspector*, Harrisburg.

Twelfth District—Johnson and Williamson Counties.

ARTHUR W. PLUMLEE, *Inspector*, Cambria.

THOMAS ENGLISH, *Inspector-at-Large*, Springfield.

Economic Investigation.

W. L. MORGAN, *Investigator*, Greenville.

Fluorspar Inspection.

EDWARD S. SMITH, *Inspector*, Rosiclare.

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FIFTEENTH ANNUAL COAL REPORT

INTRODUCTION

The Fiftieth Annual Report of the coal industry of Illinois is herewith presented. During the half century many changes in construction and operation have been effected. Escapement shafts for the egress of men have been made compulsory and electrification and mechanization has become the rule, and today Illinois mines are conceded to be the safest of any large coal producing State in this or foreign countries.

The following table shows a comparison of several items of the report of 1882 and 1931:

Item	1882	1931	Increase	Percent of increase
Number of Counties producing coal.....	43	48	5	11.6
Number of mines operated.....	704	994	290	41.2
Tons of coal produced.....	9,115,661	45,152,623	36,036,962	395.3
Number employed.....	20,290	53,550	33,260	163.9
Average days worked.....	190	124	(a)66	(a)34.7
Average daily production.....	47,977	362,521	314,544	655.6
Average tons per man per day.....	2.15	6.77	4.62	215.0
Number of fatal accidents.....	40	90	50	125.0
Tons mined to one fatality.....	227,892	501,696	273,804	120.1
Number employed to one killed.....	507	595	88	17.2
Number killed to 1,000 employed.....	2.0	1.7	(a).3	(a)1.5
Number killed per 1,000,000 tons mined.....	4.4	2.0	(a)2.4	(a)54.5
Number injured, losing 30 or more days.....	50	1,530	1,480	296.0
Tons mined to one man injured.....	182,313	29,512	(a)152,801	(a)83.8
Number employed to one injured.....	406	35	(a)371	(a)91.4
Number injured to 1,000 employed.....	2.5	28.6	26.1	104.4
Number injured to 1,000,000 tons mined....	5.5	33.9	28.4	516.4

(a)Decrease.

For the purpose of comparing the coal industry with 1930, the following tables have been prepared:

TABLE A—MINES AND PRODUCTION

Mines	1930		1931		Increase(+) Decrease(-)	
	Mines	Tons	Mines	Tons	Mines	Tons
Shipping.....	185	51,996,608	167	43,073,058	-18	-8,923,550
Local.....	754	2,038,508	827	2,079,565	+73	+41,057
Total.....	939	54,035,116	994	45,152,623	+55	-8,882,493

This table shows for the shipping mines a decrease of 9.7 per cent in number and 17.2 per cent in tonnage.

The following table is a comparison of the time worked with 1930 and shows that the shipping mines were in operation an average of 15 days less, or a loss of 10.3 per cent.

TABLE B—TIME WORKED

Mines	Average days worked			
	1930	1931	Increase (+)	Decrease (-)
Shipping	145	130		-15
Local	117	123		+6

A comparison of the number employed is shown below and reveals a loss of 4191 men in the shipping mines. This is a decrease of 8.2 per cent from the number employed last year:

TABLE C—EMPLOYEES

Mines	Number employed		Gain (+)	Loss (-)
	1930	1931		
Shipping	51,215	47,024		-4,191
Local	4,796	6,526		+1,730
Total	56,011	53,550		-2,461

MECHANICAL LOADING

The following table reveals the rapid growth of mechanical loading in the past four years. It will be seen that, excluding the strip mines, the number of mines using mechanical loading devices has increased from 23 per cent in 1928 to 49 per cent in 1931, and that the tonnage loaded mechanically has increased from 13.5 per cent to 61.4 per cent. During the same time the number of machines has increased from 992 to 2420. A greater relative increase will be seen in the number of mines and machines used in those mines where the entire output was loaded mechanically. For this class of mines the increase is: Mines 111.8 per cent; machines 749.7 per cent. Strip mines are not included in the following tables.

TABLE D—MECHANICAL LOADING

Year	Entire output		Part of output		Total		Per cent of	
	Mines	Machines	Mines	Machines	Mines	Machines	Mines using	Tons loaded
1928 ...	17	177	37	875	54	992	23.0	13.5
1929 ...	22	603	51	1,525	73	2,128	39.9	33.1
1930 ...	31	1,307	38	931	69	2,238	40.6	50.8
1931 ...	36	1,504	38	916	74	2,420	49.0	61.4

Attention is called to the next table which shows the number killed and injured, the number of tons mined and men employed to each man killed or injured, for a series of four years.

TABLE E—ACCIDENTS

Year	Fatal	Non-fatal	Tons mined to one		Employees to one	
			Killed	Injured	Killed	Injured
1928	139	5,785	404,396	9,392	471	11
1929	109	6,621	560,805	9,232	538	9
1930	112	5,103	482,456	10,589	500	11
1931	90	3,809	501,696	11,854	595	14

Name of operator and mine	Location of mine		
	District	County	Post office
Alcoa Ore Co.....	8	St. Clair.....	Belleville.....
Bailey Bros. Coal Co.....	9	Perry.....	Duquoin.....
Bell & Zollar Mining Co., No. 1.....	10	Franklin.....	Zeigler.....
Bell & Zollar Mining Co., No. 2.....	10	Franklin.....	Zeigler.....
Blue Bird Coal Co.....	11	Saline.....	Harrisburg.....
Breese-Trenton Mining Co., N.....	8	Clinton.....	Breese.....
Brewerton Coal Co., No. 21.....	10	Franklin.....	West Frankfort.....
Brewerton Coal Co., No. 22.....	10	Franklin.....	Sesser.....
Brewerton Coal Co., No. 45.....	9	Perry.....	Pinckneyville.....
Brewerton Coal Co., No. 92.....	4	Logan.....	Lincoln.....
Bullock Mining Co.....	7	Madison.....	Collinsville.....
Canton Coal Co.....	3	Fulton.....	Canton.....
Carbon Fuel Co.....	12	Williamson.....	Marion.....
Carlin Coal Co.....	7	Madison.....	Bethalto.....
Carterville Coal Mining Co.....	12	Williamson.....	Carterville.....
Carterville-Herrin Coal Co.....	12	Williamson.....	Herrin.....
Central Illinois Coal Co.....	4	Sangamon.....	Springfield.....
Central West Coal Co.....	2	Peoria.....	Edwards.....
Centralia Coal Co.....	9	Washington.....	Centralia.....
Chicago, Wilmington & Franklin Coal Co., No. 1.....	10	Franklin.....	Orient.....
Chicago, Wilmington & Franklin Coal Co., No. 2.....	10	Franklin.....	West Frankfort.....
Chicago, Wilmington & Franklin Coal Co., "A".....	12	Williamson.....	Herrin.....
City Lake Coal Co.....	12	Williamson.....	Herrin.....
Clarkson Coal Co.....	9	Washington.....	Nashville.....
Coal Stripping Co.....	9	Perry.....	Pinckneyville.....
Coal Stripping Co.....	12	Williamson.....	Marion.....
Collinsville Coal Corp.....	7	Madison.....	Collinsville.....
Consolidated Coal Co., "N. M.".....	12	Williamson.....	Herrin.....
Consolidated Coal Co., No. 15.....	6	Macoupin.....	Mt. Olive.....
Cosgrove-Meehan Coal Co., No. 1.....	12	Williamson.....	Marion.....
Cosgrove-Meehan Coal Co., No. 3.....	12	Williamson.....	Marion.....
Cosgrove-Meehan Coal Co., No. 5.....	6	Montgomery.....	Panama.....
Crerar-Clinch Coal Co., No. 14.....	9	Perry.....	Duquoin.....
Crerar-Clinch Coal Co., No. 15.....	9	Perry.....	Duquoin.....
Crescent Coal Mining Co., No. 1.....	2	Peoria.....	Peoria.....
Crescent Coal Mining Co., No. 6.....	2	Peoria.....	Peoria.....
Dorthel Coal Co., No. 1.....	2	Peoria.....	Hanna City.....
Dorthel Coal Co., No. 2.....	3	Fulton.....	Farmington.....
Dorthel Coal Co., No. 3.....	3	Fulton.....	Farmington.....
Egyptian Coal Co.....	9	Perry.....	Swanwick.....
Eldnar Coal Co.....	8	St. Clair.....	Belleville.....
Enterprise Coal Co.....	8	St. Clair.....	Belleville.....
Fireband Fuel Co.....	11	White.....	Norris City.....
Franklin County Coal Co., No. 5.....	10	Franklin.....	Herrin.....
Franklin County Coal Co., No. 7.....	10	Franklin.....	Royalton.....
Freeman Coal Co.....	12	Williamson.....	Herrin.....
Galesburg Mining Co.....	3	Knox.....	Galesburg.....
Gillespie Coal Co.....	6	Macoupin.....	Gillespie.....
Golden Rule Coal Co.....	8	St. Clair.....	Lenzburg.....
Groom Coal Co.....	8	St. Clair.....	Belleville.....
Guest Coal Co.....	8	St. Clair.....	Belleville.....
Gundlach Coal Co.....	8	St. Clair.....	E. St. Louis.....
Harrisburg Coal Co., No. 9.....	11	Saline.....	Harrisburg.....
Henrietta Coal Co., "Hen.".....	7	Madison.....	Edwardsville.....
Henrietta Coal Co., "H. T.".....	7	Madison.....	Edwardsville.....
Hillsboro Coal Co.....	6	Montgomery.....	Hillsboro.....
Illinois Colliery Co.....	3	Fulton.....	Farmington.....
Illinois Zinc Co.....	1	La Salle.....	Peru.....
Indiana & Illinois Coal Corp., No. 10.....	6	Montgomery.....	Nokomis.....
Jones Bros. Coal Co., No. 1.....	8	St. Clair.....	Marissa.....
Jones Bros. Coal Co., No. 2.....	9	Randolph.....	Marissa.....
Kolb Coal Co., No. 2.....	8	St. Clair.....	Mascoutah.....
Lake Erie Mining Co.....	2	Tazewell.....	Peoria.....
Lenzburg Coal Co.....	8	St. Clair.....	Lenzburg.....
Lumaghi Coal Co., No. 2.....	7	Madison.....	Collinsville.....
M. P. & W. Coal Co.....	12	Williamson.....	Marion.....
Macon County Coal Co.....	5	Macon.....	Decatur.....
Madison Coal Corp., No. 2.....	7	Madison.....	Glen Carbon.....
Madison Coal Corp., No. 5.....	6	Macoupin.....	Mt. Olive.....
Madison Coal Corp., No. 12.....	12	Williamson.....	Cambria.....
Marion County Coal Co.....	7	Marion.....	Centralia.....
Midland Electric Coal Co.....	1	Henry.....	Atkinson.....

SHIPPING MINES

General Superintendent	Superintendent of mine	Local mine manager	Address of main office of company
C. B. Fox	I. D. Marsh	F. Grissom	2400 Oliver Bly., St. Louis
Jos. Bailey	Jos. Bailey	Jos. Bailey	Duquoin
E. L. Berger	Lee Haskins	E. J. Hoey	307 N. Michigan Ave., Chicago
E. L. Berger	Dale Carter	J. Daugherty	307 N. Michigan Ave., Chicago
W. E. Stump	A. M. Chamness	A. M. Chamness	Harrisburg
A. J. Hummer	a	Joe Nordman	Breese
B. Schettler	a	a	100 W. Monroe St., Chicago
B. Schetter	a	J. Hunsaker	100 W. Monroe St., Chicago
B. Schettler	a	G. E. Smith	100 W. Monroe St., Chicago
B. Schettler	B. Schettler	B. Schettler	100 W. Monroe St., Chicago
John Reese	a	Arthur Oil	Collinsville
D. E. Drake	George Martin	Thos. Moorcroft	Canton
G. A. Wallace	J. K. Wallace	R. Wilson	Marion
William Bell	a	M. Nanyok	Bethalto
Frank Elwood	John Cagle	John Cagle	Carbondale
a	a	a	a
Geo. P. Devault	Edwin Reese	C. J. Fremgen	Springfield
Paul Weir	a	T. F. Dickenson	825 Jefferson Bldg., Peoria
H. A. Travelstead	R. J. Oldham	H. A. Berger	307 N. Michigan Ave., Chicago
H. A. Travelstead	J. Rodenbush	James Eadie	332 S. Michigan Ave., Chicago
H. A. Travelstead	J. R. Foster	J. O'Rourke	332 S. Michigan Ave., Chicago
B. F. McSherry	Geo. Notman	T. F. Bailey	332 S. Michigan Ave., Chicago
J. L. Clarkson	B. F. McSherry	B. F. McSherry	1103 Fullerton Bldg., St. Louis
A. E. Steiger	Sam Day	Sam Day	Nashville
A. E. Steiger	H. J. Tobin	Roy Hartwell	230 N. Michigan Ave., Chicago
a	H. J. Tobin	H. J. Tobin	230 N. Michigan Ave., Chicago
a	P. Wilkinson	a	Collinsville
B. F. Meyer	a	Robt. Bowie	2069 Ry. Ex. Bldg., St. Louis
a	Chas. Haffter	Guido Helm	2069 Ry. Ex. Bldg., St. Louis
a	S. J. Burress	W. B. Kemper	310 S. Michigan Ave., Chicago
a	S. J. Burress	A. Boatwright	310 S. Michigan Ave., Chicago
a	Byron Somers	Wm. Cowell	310 S. Michigan Ave., Chicago
a	E. S. Mayer	E. B. Dangerfield	Chicago
a	E. S. Mayer	D. C. Harris	Chicago
W. P. Young	a	Harry Wilkinson	307 N. Michigan Ave. Chicago
W. P. Young	a	Charles Carson	Chicago
R. R. Ronk	R. R. Ronk	David Jones	28 E. Jackson Blvd., Chicago
R. R. Ronk	Robt. Taggart	J. W. Worthington	Steiger Bldg., Chicago
R. R. Ronk	Robt. Taggart	a	Steiger Bldg., Chicago
a	W. E. Grissom	Wm. Van Hose	Swanwick
a	W. J. Randle	W. J. Randle	Belleville
E. Fultz	R. Watson	a	Belleville
a	a	a	a
H. H. Taylor, Jr.	E. Helbing	R. Waugh	230 S. Clark St., Chicago
H. H. Taylor, Jr.	E. Helbing	Ed. O'Neal	230 S. Clark St., Chicago
F. H. Seymour	F. H. Seymour	W. H. Flynn	2051 McCormick Bldg., Chicago
J. W. Fairbairn	J. W. Fairbairn	Geo. Grindle	Galesburg
D. W. Green	a	Nat Farnworth	1406 Boatman Bk. Bldg., St. Louis
a	a	J. S. Prediges	Lenzburg
John Groom, Sr.	Robt. Groom	Oscar Patterson	Belleville
Stephen Guest	B. Blockyou	George Cadmus	Belleville
O. L. Schaefer	a	H. Taylor	East St. Louis
R. Alverson	a	L. Uzzle	Harrisburg
John Considine	a	Wm. Stone	Edwardsville
John Considine	a	A. W. Miller	Edwardsville
Rice Miller	James Welsh	R. R. Hart	Hillsboro
a	John Balyou	Henry White	Farmington
C. R. McBrayne	Wm. Lindsay	Wm. Lindsay	332 S. Michigan Ave., Chicago
J. J. Fries	a	a	1425 Old Colony Bldg., Chicago
Wm. Jones	Wm. Jones	Vaughn Jones	Marissa
Wm. Jones	Wm. Jones	Wm. Jones	Marissa
a	a	Frank Bair	Mascoutah
W. C. Gill	C. Saur	F. Saur	Peoria
a	a	D. A. Schilling	Lenzburg
O. L. Lumaghi	B. H. Firth	Wm. Valine	408 Olive St., St. Louis
V. Pendley	a	Geo. Randle	Marion
D. W. Beggs	a	F. J. Devlin	Decatur
G. E. Lyman	J. S. Anderson	C. M. Thackston	910 S. Michigan Ave., Chicago
G. E. Lyman	J. S. Anderson	Jos. Hittmeier	910 S. Michigan Ave., Chicago
G. E. Lyman	Wm. Turton	F. Schooner	910 S. Michigan Ave., Chicago
J. W. Stedeline	G. Wilkerson	G. Wilkerson	Centralia
K. B. Bixby	K. B. Bixby	K. B. Bixby	Atkinson

Name of operator and mine	Location of mine		
	Dist- trict	County	Post office
Mine "B." Coal Co.	4	Sangamon	Springfield
Moffat Coal Co.	9	Randolph	Sparta
Mt. Olive & Staunton Coal Co.	7	Madison	Staunton
Moweaqua Coal Co.	6	Shelby	Moweaqua
Mulberry Hill Coal Co.	8	St. Clair	Freeburg
New National Coal Co.	8	St. Clair	Belleville
Northern Illinois Coal Co.	1	Will.	Wilmington
Odin Coal Co.	7	Marion	Odin
O'Gara Coal Co., No. 1	11	Saline	Harrisburg
O'Gara Coal Co., No. 3	11	Saline	Harrisburg
O'Gara Coal Co., No. 10	11	Saline	Eldorado
O'Gara Coal Co., No. 12	11	Saline	Harrisburg
Ogmore Coal Co.	12	Williamson	Cambria
Okay Coal Co.	8	St. Clair	Marissa
Old Ben Coal Corp., No. 8	10	Franklin	West Frankfort
Old Ben Coal Corp., No. 11	10	Franklin	Christopher
Old Ben Coal Corp., No. 14	10	Franklin	Buckner
Old Ben Coal Corp., No. 15	10	Franklin	Ezra
Old Ben Coal Corp., No. 18	12	Williamson	Johnston City
Pana Coal Co., No. 1	4	Christian	Pana
Panther Creek Mines, No. 1	4	Sangamon	Auburn
Panther Creek Mines, No. 3	4	Sangamon	Springfield
Panther Creek Mines, No. 4	4	Sangamon	Springfield
Panther Creek Mines, No. 5	4	Sangamon	Springfield
Peabody Coal Co., No. 7	4	Christian	Kincaid
Peabody Coal Co., No. 8	4	Christian	Tovey
Peabody Coal Co., No. 9	4	Christian	Langleyville
Peabody Coal Co., No. 18	10	Franklin	West Frankfort
Peabody Coal Co., No. 19	10	Franklin	West Frankfort
Peabody Coal Co., No. 24	5	Vermilion	Danville
Peabody Coal Co., No. 25	12	Williamson	Cartersville
Peabody Coal Co., No. 43	11	Saline	Harrisburg
Peabody Coal Co., No. 47	11	Saline	Harco
Peabody Coal Co., No. 51	4	Sangamon	Springfield
Peabody Coal Co., No. 52	4	Sangamon	Riverton
Peabody Coal Co., No. 53	4	Sangamon	Springfield
Peabody Coal Co., No. 57	4	Sangamon	Springfield
Peabody Coal Co., No. 58	4	Christian	Taylorville
Peabody Coal Co., No. 59	4	Sangamon	Springfield
Penwell Coal Co.	4	Christian	Pana
Perfection Coal Co.	9	Perry	Duquoin
Perry Coal Co., Carbon	8	St. Clair	O'Fallon
Perry Coal Co., Perco	9	Perry	Coulterville
Perry Coal Co., St. Ellen	8	St. Clair	O'Fallon
Perry Coal Co., Taylor	8	St. Clair	O'Fallon
Pocahontas Mining Co.	7	Bond	Pocahontas
Power Coal Co.	8	St. Clair	Freeburg
Prairie Coal Co.	8	St. Clair	Belleville
Prairie State Coal Co.	1	Putnam	Granville
Puritan Coal Co.	12	Williamson	Marion
Pyramid Coal Co.	9	Perry	Pinckneyville
Quality Coal Co.	8	St. Clair	Belleville
Rawalt Coal Co.	3	Fulton	Canton
Rex Coal Co.	11	Saline	Eldorado
Roanoke Coal & Tile Co.	2	Woodford	Roanoke
St. Louis & O'Fallon Coal Co.	8	St. Clair	E. St. Louis
St. Louis Coal Co.	9	Randolph	Coulterville
St. Louis Coal & Iron Co.	12	Williamson	Johnston City
Sangamon Coal Co., No. 2	4	Sangamon	Springfield
Service Coal Co.	8	St. Clair	Belleville
Shuler Coal Co.	1	Henry	Alpha
Skaggs Coal Co.	12	Williamson	Herrin
Southern C. C. & Mining Co., No. 7	8	St. Clair	Belleville
Southern C. C. & Mining Co., No. 9	8	Clinton	New Baden
South Mine Coal Co.	6	Macoupin	Carlinville
Spillerton Coal Co.	12	Williamson	Marion
Summit Coal Co.	8	St. Clair	Rentchler
Superior Coal Co., No. 1	6	Macoupin	Gillespie

SHIPPING MINES—Continued

General Superintendent	Superintendent of mine	Local mine manager	Address of main office of company
C. H. Elshoff	Oscar Falcetti	James Straight	Springfield
Andrew Moffat	Andrew Moffat	D. Richardson	Sparta
.....a.....	Sam McGurk	Ben Chapman	.....a.....
.....a.....	L. O. White	J. F. Hickman	Moweaqua
Fred Germann	.....a.....	.....a.....	Freeburg
A. L. Wright	A. L. Wright	John Fruth	Belleville
.....a.....	R. S. Weimer	J. G. Sykes	310 S. Michigan Ave., Chicago
C. H. Morrison	Geo. Moody	P. Halfacre	Odin
P. Halbersleben	Wm. Evans	J. A. Adams	322 S. Michigan Ave., Chicago
P. Halbersleben	Geo. Eadie	Ed Pryor	322 S. Michigan Ave., Chicago
P. Halbersleben	Sam Cape	R. A. Bartlett	322 S. Michigan Ave., Chicago
P. Halbersleben	Wm. Evans	Marion Wiley	322 S. Michigan Ave., Chicago
J. J. Thomas	.....a.....	J. J. Thomas	Cambria
.....a.....	.....a.....	Henry Church	Marissa
James Dunn	John Lord	Ed Goff	230 S. Clark St., Chicago
James Dunn	John Lord	Ed Goff	230 S. Clark St., Chicago
James Dunn	John Lord	H. Lewis	230 S. Clark St., Chicago
James Dunn	John Lord	Wm. Coltman	230 S. Clark St., Chicago
James Dunn	John Lord	John Cathie	230 S. Clark St., Chicago
G. A. Shafer	S. S. Lewis	J. J. Simpson	Pana
E. C. Solomon	E. C. Solomon	J. A. Lantham	Springfield
H. A. Solomon	Geo. Snedden	Harry Pack	Springfield
H. A. Solomon	Geo. Snedden	James Barnes	Springfield
H. A. Solomon	W. C. Passent	John Archer	Springfield
W. C. Argust	J. W. Abrell	G. W. Mosey	20 N. Wacker Drive, Chicago
W. C. Argust	James Lewis	M. Rozanski	20 N. Wacker Drive, Chicago
W. C. Argust	J. W. Starks	J. H. Hardy	20 N. Wacker Drive, Chicago
C. W. McReagen	B. F. Burnett	R. McPhail	20 N. Wacker Drive, Chicago
C. W. McReagen	W. M. Elders	I. Nicholson	20 N. Wacker Drive, Chicago
M. P. Peltier	John Hope	Robt. Walker	20 N. Wacker Drive, Chicago
C. W. McReagen	Roy Stuart	Robt. Timpsay	20 N. Wacker Drive, Chicago
C. W. McReagen	W. C. Craggs	L. Anderson	20 N. Wacker Drive, Chicago
C. W. McReagen	Chas. Barker	J. E. Vaughn	20 N. Wacker Drive, Chicago
W. H. Wanless	P. W. McMurdo	Oney Melkush	20 N. Wacker Drive, Chicago
.....a.....	M. Haberle	Carl Proska	20 N. Wacker Drive, Chicago
W. H. Wanless	H. Preval	J. D. Kelly	20 N. Wacker Drive, Chicago
W. H. Wanless	G. M. Smith	W. L. Wanless	20 N. Wacker Drive, Chicago
W. C. Argust	Wm. Hardy	Glen Young	20 N. Wacker Drive, Chicago
.....a.....	Lewis Waldron	John Storey	20 N. Wacker Drive, Chicago
.....a.....	James Rollo	Richard Rollo	Pana
James McSherry	.....a.....	.....a.....	Duquoin
D. W. Greene	.....a.....	Wm. Hartman	Boatman Bank Bldg., St. Louis
C. J. Sando	.....a.....	F. R. Gill	Boatman Bank Bldg., St. Louis
D. W. Greene	D. W. Greene	F. K. Gill	Boatman Bank Bldg., St. Louis ;
D. W. Greene	.....a.....	J. B. Brown	Boatman Bank Bldg., St. Louis
G. E. Adamson	G. E. Adamson	G. E. Adamson	Pocahontas
.....a.....	James Harris	.....a.....	Freeburg
James Daniels	.....a.....	.....a.....	Ry. Ex. Bldg., St. Louis
John R. Cox	.....a.....	Alex Jones	Granville
W. E. Grissom	O. F. Howard	O. F. Howard	Johnston City
A. E. Steiger	Len Hartwell	.....a.....	Pinckneyville
.....a.....	.....a.....	Peter Grieve	Belleville
Adam Baxter	W. G. Baxter	W. G. Baxter	Canton
.....a.....	George Lindsay	V. Gidcumb	McCormick Bldg., Chicago
Carl Klumff	Geo. Dewilde	.....a.....	Roanoke
W. F. Davis	W. F. Davis	Joe Vlasak	2927 S. Broadway, St. Louis
O. L. Lumaghi	E. H. Larsen	.....a.....	408 Olive St., St. Louis
.....a.....	.....a.....	L. J. Kelley, Sr.	Granite City
.....a.....	John Senger	.....a.....	Springfield
D. E. Meyer	D. E. Meyer	F. Gramlich	Belleville
Chas. Shuler	T. C. Chapman	T. C. Chapman	609 Kahl Bldg., Davenport, Iowa
Elvis Skaggs	Elvis Skaggs	John Wordle	Herrin
W. O. Brandenburger	.....a.....	Steve Herbert	610 Security Bldg., St. Louis
W. O. Brandenburger	.....a.....	Emil Strotheide	610 Security Bldg., St. Louis
John Crosby	.....a.....	.....a.....	Carlinville
.....a.....	.....a.....	.....a.....	Marion
John Randle	Wm. Erwin	Wm. Erwin	Belleville
D. D. Wilcox	James Powell	Alex Duncan	Gillespie

Name of operator and mine	Location of mine		
	District	County	Post office
Superior Coal Co., No. 2.....	6	Macoupin.....	Gillespie.....
Superior Coal Co., No. 3.....	6	Macoupin.....	Gillespie.....
Superior Coal Co., No. 4.....	6	Macoupin.....	Gillespie.....
Sutton W. G. Co.....	2	Woodford.....	Minonk.....
Tamaroa Coal Co.....	9	Perry.....	Tamaroa.....
Tilton Mining Co.....	5	Vermilion.....	Tilton.....
Troy Coal Co.....	7	Madison.....	Troy.....
Truax-Trarer Coal Co.....	3	Fulton.....	St. David.....
Truax-Trarer Coal Co., No. 1.....	9	Jackson.....	Elkville.....
Truax-Trarer Coal Co., No. 2.....	9	Jackson.....	De Soto.....
Ubben Coal Co.....	2	Tazewell.....	Pekin.....
Union Coal Co.....	1	La Salle.....	Peru.....
Union Colliery Co.....	9	Jackson.....	Dowell.....
United Electric Coal Co., No. 1.....	5	Vermilion.....	Danville.....
United Electric Coal Co., No. 9.....	3	Fulton.....	Cuba.....
United Electric Coal Co., No. 11.....	9	Perry.....	Duquoin.....
United Electric Coal Co., No. 13.....	8	St. Clair.....	Freeburg.....
United Electric Coal Co., No. 14.....	5	Vermilion.....	Danville.....
U. S. Fuel Co., Bunsen.....	5	Vermilion.....	Georgetown.....
U. S. Fuel Co., Verm.....	5	Vermilion.....	Georgetown.....
Valier Coal Co.....	10	Franklin.....	Valier.....
Vinegar Hill Coal Co.....	8	St. Clair.....	Lenzburg.....
Wallace Coal Co.....	12	Williamson.....	Marion.....
Wasson Coal Co., No. 1.....	11	Saline.....	Harrisburg.....
Wasson Coal Co., No. 2.....	11	Saline.....	Harrisburg.....
White Coal Co.....	8	St. Clair.....	Belleville.....
Wilson Coal Co.....	9	Perry.....	Cutler.....

SHIPPING MINES—Concluded

General Superintendent	Superintendent of mine	Local mine manager	Address of main office of company
D. D. Wilcox.....	James Powell.....	P. Bertilio.....	Gillespie
D. D. Wilcox.....	James Powell.....	Alex Young.....	Gillespie
D. D. Wilcox.....	James Powell.....	J. H. Johnson.....	Gillespie
W. G. Sutton.....	H. A. Sutton.....	P. H. O'Connor.....	Minonk
.....a.....	.....a.....	A. M. Lee.....	Tamaroa
W. A. Martin.....	.....a.....	H. C. Steuber.....	Danville
John Considine.....	.....a.....	.....a.....	Troy
A. M. Nielson.....	V. Erickson.....	V. Erickson.....	1907 McCormick Bldg., Chicago
A. M. Nielson.....	H. F. Willis.....	Ed Dapples.....	332 S. Michigan Ave., Chicago
A. M. Nielson.....	H. F. Willis.....	Charles Hart.....	332 S. Michigan Ave., Chicago
Thos. H. Ubben.....	Thos. H. Ubben.....	J. Scheffler.....	Pekin
Adam Currie.....	.....a.....	.....a.....	Peru
Edw. Leming.....	Edw. Leming.....	C. O. Wellington.....	Box 1349, St. Louis
.....a.....	Carl Day.....	.....a.....	500 Adams Bldg., Danville
.....a.....	H. W. Barco.....	.....a.....	500 Adams Bldg., Danville
.....a.....	.....a.....	F. A. Huff.....	500 Adams Bldg., Danville
.....a.....	.....a.....	Geo. D. Huff.....	500 Adams Bldg., Danville
.....a.....	.....a.....	Alex Anderson.....	500 Adams Bldg., Danville
David I. Rock.....	H. M. Moses.....	Robt. Flynn.....	208 S. LaSalle St., Chicago
David I. Rock.....	H. M. Moses.....	Mark Ord.....	208 S. LaSalle St., Chicago
.....a.....	D. W. Jones.....	I. Winn.....	547 W. Jackson Blvd., Chicago
E. Burgard.....	.....a.....	W. F. Zages.....	Lenzburg
G. A. Wallace.....	J. K. Wallace.....	W. K. Wallace.....	Marion
L. A. Wasson.....	.....a.....	J. H. Evans.....	Harrisburg
L. A. Wasson.....	.....a.....	J. Stobart.....	Harrisburg
Robt. White.....	Robt. White.....	J. Dickson.....	Belleville
.....a.....	.....a.....	.....a.....	Cutler

a Not reported.

GENERAL STATEMENT

	1931	
Number of Counties producing coal.....	48	
Number of mines operated.....	994	
Number of shipping mines.....	167	
Number of local mines.....	827	
Output of all mines—tons.....	45,152,623	
Output of shipping mines—tons.....	43,073,058	
Output of local mines—tons.....	2,079,565	
Tons handled by railroads.....	39,940,793	
Tons disposed of otherwise.....	5,211,830	
Number employed underground.....	45,652	
Number employed on surface.....	7,898	
Total employees.....	53,550	
Average days worked—shipping mines.....	130	
Average days worked—local mines.....	123	
Average days worked—all mines.....	124	
Number of mining machines used.....	1,459	
Tons mined by machines.....	33,161,198	
Tons mined by hand.....	5,371,522	
Tons mined by stripping.....	6,619,903	
Number of mechanical loaders used.....	2,420	
Tons loaded mechanically.....	22,445,802	
Tons loaded by hand.....	16,086,920	
Strip mines.....	6,619,903	
Kegs of powder used.....	295,760	
Pounds of pellet powder used.....	4,540,477	
Pounds of dynamite used.....	115,395	
Pounds of permissibles used.....	2,406,186	
Pounds of L. O. X.....	110,110	
Number of motors used.....	1,205	
Number of animals underground.....	1,503	
Number of fatal accidents.....	90	
Number of non-fatal accidents.....	3,809	
Tons mined to one man killed.....	501,696	
Tons mined to one man injured.....	11,854	
Number employed to one killed.....	595	
Number employed to one injured.....	14	
Number killed to 1000 employed.....	1.7	
Number injured to 1000 employed.....	71.1	
Number of mines using closed lights.....	22	
Number of mines rockdusted.....	35	

TABLE 1—CLASSIFICATION OF MINES BY DISTRICTS

Districts	All mines			Shipping mines			Local mines		
	Mines	Men	Tons	Mines	Men	Tons	Mines	Men	Tons
First.....	100	2,069	2,217,815	6	1,003	1,868,765	94	1,066	349,050
Second.....	117	3,273	1,621,117	8	1,645	1,330,623	109	1,628	290,494
Third.....	252	2,365	1,795,001	8	1,303	1,520,062	244	1,062	274,939
Fourth.....	49	8,118	6,547,128	19	7,666	6,313,977	30	452	233,151
Fifth.....	110	3,415	2,631,725	7	2,838	2,399,121	103	577	232,604
Sixth.....	48	5,067	5,305,198	12	4,711	5,263,371	36	356	41,827
Seventh.....	22	2,278	1,573,218	12	2,141	1,505,906	10	137	67,312
Eighth.....	53	3,429	2,962,150	28	2,924	2,613,653	25	505	348,497
Ninth.....	70	3,953	5,782,119	20	3,650	5,670,295	50	303	111,824
Tenth.....	15	10,064	9,531,560	15	10,064	9,531,560			
Eleventh.....	60	4,676	3,018,083	12	4,491	2,965,627	48	185	52,456
Twelfth.....	81	4,843	2,167,509	20	4,588	2,090,098	61	255	77,411
Total.....	977	53,550	45,152,623	167	47,024	43,073,058	810	6,526	2,079,565

TABLE 2—NUMBER OF MINES OPERATED, MEN EMPLOYED, AVERAGE DAYS WORKED, TONS PRODUCED, AVERAGE TONS PER DAY AND THE AVERAGE TONS PER MAN PER DAY, ALL MINES—1882-1931.

Year	Mines operated	Men employed	Average days worked	Tons produced	Average tons per day	Average tons per man per day
1882	704	20,290	190	9,115,661	47,977	2.4
1883	637	23,939	195	10,508,785	53,891	2.3
1884	739	25,575	204	10,101,004	49,514	1.9
1885	778	25,946	200	9,791,874	48,959	1.9
1886	786	25,846	185	9,246,435	49,982	1.9
1887	801	26,804	190	10,278,890	54,099	2.0
1888	833	29,410	194	11,855,188	61,109	2.1
1889	851	30,076	189	11,597,963	61,365	2.0
1890	811	28,574	175	12,638,364	72,219	2.1
1891	898	32,951	192	15,660,698	81,566	2.5
1892	833	33,632	191	17,862,276	93,520	2.8
1893	779	35,390	201	19,949,564	99,252	2.8
1894	822	38,477	173	17,113,576	98,922	2.6
1895	844	38,630	178	17,735,864	99,645	2.6
1896	868	37,032	172	19,786,626	115,038	3.1
1897	853	33,788	169	20,072,758	118,773	3.5
1898	881	35,026	165	18,599,299	112,723	3.2
1899	889	36,901	181	23,434,445	129,472	3.5
1900	920	39,384	183	25,153,929	137,453	3.5
1901	915	44,143	174	26,685,319	153,364	3.5
1902	915	46,003	177	30,021,300	169,612	3.7
1903	930	49,814	192	34,955,400	182,059	3.7
1904	932	54,774	185	37,077,897	200,421	3.7
1905	990	59,230	167	37,183,374	222,655	3.8
1906	1,018	62,283	177	38,317,581	216,433	3.5
1907	933	66,714	180	47,798,621	265,548	4.0
1908	922	70,841	180	49,272,436	273,736	3.9
1909	886	72,733	177	49,163,710	277,761	3.8
1910	881	74,634	172	48,717,853	283,243	3.8
1911	845	77,410	165	50,165,099	304,031	3.9
1912	879	79,411	160	57,514,240	359,464	4.5
1913	840	79,497	170	61,846,204	363,801	4.6
1914	796	80,035	162	60,715,795	374,789	4.7
1915	779	75,607	158	57,601,694	364,517	4.8
1916	803	75,919	163	63,673,530	390,635	5.1
1917	810	80,893	179	78,983,517	441,250	5.4
1918	966	91,372	183	89,979,469	491,691	5.4
1919	937	90,897	160	75,099,784	469,374	5.2
1920	938	88,192	159	73,920,653	464,910	5.3
1921	1,035	95,763	152	80,121,948	527,118	5.5
1922	3,133	98,090	134	63,276,827	472,215	4.8
1923	1,136	103,566	146	75,514,095	517,220	5.0
1924	1,032	99,765	140	72,308,665	516,490	5.2
1925*	913	81,684	204	103,186,166	505,815	6.2
1926	921	77,732	131	69,813,255	532,925	6.9
1927	906	78,572	119	46,949,700	394,535	5.0
1928	857	65,508	132	56,211,082	425,841	6.5
1929	803	58,596	133	61,127,759	459,607	7.8
1930	939	56,011	122	54,035,116	442,910	7.9
1931	977	53,550	127	45,152,623	355,532	6.6

*July 1, 1924 to December 31, 1925.

TABLE 3—CLASSIFICATION OF MINES BY OUTPUT

Mines producing—	Shipping mines			Local mines			All mines		
	Mines	Men	Tons	Mines	Men	Tons	Mines	Men	Tons
Less than 1,000 tons..	1	11	984	514	2,574	161,439	515	2,585	162,423
1,000 but less than 10,000.....	15	1,238	128,083	234	1,994	731,326	249	3,232	859,409
10,000 but less than 50,000.....	33	3,734	907,842	75	1,509	887,518	108	5,243	1,795,360
50,000 but less than 100,000.....	23	3,809	1,586,587	4	449	299,282	27	4,258	1,885,869
100,000 but less than 200,000.....	21	5,126	2,963,519	.....	.....	.....	21	5,126	2,963,519
200,000 but less than 300,000.....	18	5,320	4,377,783	.....	.....	.....	18	5,320	4,377,783
300,000 but less than 400,000.....	18	5,722	6,201,996	.....	.....	.....	18	5,722	6,201,996
400,000 but less than 500,000.....	8	3,585	3,699,444	.....	.....	.....	8	3,585	3,699,444
500,000 but less than 600,000.....	7	4,462	3,831,978	.....	.....	.....	7	4,462	3,831,978
600,000 but less than 700,000.....	6	3,300	3,870,576	.....	.....	.....	6	3,300	3,870,576
700,000 but less than 800,000.....	5	3,208	3,624,765	.....	.....	.....	5	3,208	3,624,765
800,000 and over.....	12	7,509	11,879,501	.....	.....	.....	12	7,509	11,879,501
Total.....	167	47,024	43,073,058	827	6,526	2,079,565	994	53,550	45,152,623

TABLE 4—CLASSIFICATION OF MINES BY DAYS WORKED

Mines working—	Shipping mines			Local mines			All mines		
	Mines	Men	Tons	Mines	Men	Tons	Mines	Men	Tons
Less than 50 days....	25	6,954	1,327,876	5	18	3,630	30	6,972	1,331,506
50 but less than 100..	29	3,816	1,496,840	275	1,922	168,115	304	5,738	1,664,955
100 but less than 150..	50	18,431	15,803,294	325	1,574	374,420	375	20,005	16,177,714
150 but less than 200..	36	10,306	11,541,362	127	1,952	918,724	163	12,258	12,460,086
200 days and over....	27	7,517	12,903,686	95	1,060	614,676	122	8,577	13,518,362
Total.....	167	47,024	43,073,058	827	6,526	2,079,565	994	53,550	45,152,623

TABLE 5—CLASSIFICATION OF MINES BY NUMBER OF MEN EMPLOYED

Mines employing—	Shipping mines			Local mines			All mines		
	Mines	Men	Tons	Mines	Men	Tons	Mines	Men	Tons
Less than 25 men....	10	162	57,875	795	4,960	1,236,241	805	5,162	1,294,116
25 but less than 50...	8	288	253,217	19	592	266,674	27	880	519,891
50 but less than 100..	28	2,002	2,117,048	10	606	328,583	38	2,608	2,445,631
100 but less than 200..	38	5,405	6,172,412	3	368	248,067	41	5,773	6,420,479
200 but less than 300..	22	5,475	5,220,195	.....	.....	.....	22	5,475	5,220,195
300 but less than 400..	18	6,035	4,534,815	.....	.....	.....	18	6,035	4,534,815
400 but less than 500..	12	5,114	5,883,391	.....	.....	.....	12	5,114	5,883,391
500 but less than 600..	7	3,850	3,944,434	.....	.....	.....	7	3,850	3,944,434
600 but less than 700..	12	7,747	6,601,425	.....	.....	.....	12	7,747	6,601,425
700 but less than 800..	4	2,965	2,405,450	.....	.....	.....	4	2,965	2,405,450
800 and over.....	8	7,981	5,882,796	.....	.....	.....	8	7,981	5,882,796
Total.....	167	47,024	43,073,058	827	6,526	2,079,565	994	53,550	45,152,623

TABLE 6—CLASSIFICATION OF SHIPPING

Districts	Less than 50 days				50 but less than 100 days			
	Mines	Days	Men	Tons	Mines	Days	Men	Tons
First.....					1	56	201	13,387
Second.....					3	261	361	87,584
Third.....	1	26	186	24,718	1	99	9	5,048
Fourth.....	2	64	611	119,752	1	63	218	53,294
Fifth.....	1	4	133	3,459				
Sixth.....					3	214	424	139,488
Seventh.....	1	44	591	145,616	4	314	406	136,825
Eighth.....	3	106	520	59,198	7	506	494	204,074
Ninth.....	3	99	435	110,285	4	336	900	556,450
Tenth.....	3	100	1,235	185,755				
Eleventh.....	3	77	663	70,024	1	65	139	44,150
Twelfth.....	8	239	2,580	609,069	4	261	664	256,540
Total and average.....	25	30	6,954	1,327,876	29	75	3,816	1,496,840

MINES BY DAYS WORKED—BY DISTRICTS

100 but less than 150 days				150 but less than 200 days				200 days or over			
Mines	Days	Men	Tons	Mines	Days	Men	Tons	Mines	Days	Men	Tons
1	108	84	35,237	2	359	417	170,324	2	570	301	1,649,817
2	280	465	346,979	1	182	439	512,374	2	444	380	383,686
2	205	338	157,865	3	516	470	1,041,850	1	210	300	290,581
10	1,373	4,685	4,413,003	4	679	1,629	1,111,309	2	451	523	616,619
4	541	2,180	1,426,148	1	191	103	324,151	1	208	422	645,363
1	136	646	612,440	5	844	2,390	2,455,831	3	682	1,251	2,055,612
3	375	524	398,644	3	524	565	757,698	1	240	55	67,123
8	1,015	1,054	902,677	5	872	291	308,619	5	1,150	565	1,139,085
7	869	1,278	1,823,963	3	537	295	911,731	3	721	742	2,267,866
5	621	3,763	3,405,445	3	495	2,521	2,653,769	4	880	2,545	3,286,591
5	612	2,715	1,769,698	3	514	974	1,081,755				
2	207	699	511,195	3	509	212	211,951	3	667	433	501,343
50	127	18,431	15,803,294	36	173	10,306	11,541,362	27	234	7,517	12,903,686

TABLE 7—SHIPPING MINES—LOCATION, TONS MINED AND RANK, EMPLOYEES, DAYS WORKED, AVERAGE DAILY PRODUCTION AND RANK ARRANGED IN ALPHABETICAL ORDER

Rank	Name of operator and mine	Location		Production in tons	Number employed	Days worked	Av. daily production	
		District	Post office of mine				Tons	Rank
62	Alcoa Ore Coal Co.	8	Belleville.....	270,808	176	242	1,119	91
153	Bailey Bros. Coal Co.	9	Duquoin.....	8,850	15	175	51	161
6	Bell & Zoller Mining Co., No. 1.....	10	Ziegler.....	936,785	785	139	6,739	3
9	Bell & Zoller Mining Co., No. 2.....	10	Ziegler.....	859,849	1,046	123	6,991	2
74	Blue Bird Coal Co.	11	Harrisburg.....	150,468	104	131	1,169	88
81	Breese Trenton Mining Co., "North"	8	Breese.....	81,758	154	45	1,152	89
103	Brewerton Coal Co., No. 21.....	10	W. Frankfort.....	62,445	268	46	1,357	82
109	Brewerton Coal Co., No. 22.....	10	W. Frankfort.....	68,916	144	108	638	108
107	Brewerton Coal Co., No. 45.....	9	Pinckneyville.....	114,519	213	206	556	118
88	Brewerton Coal Co., No. 92.....	4	Lincoln.....	36,600	86	100	366	135
125	Bullock Mining Co.	7	Collinsville.....	272,711	305	163	1,673	73
61	Canton Coal Co.	3	Canton.....	89,229	32	221	404	129
99	Carbon Fuel Co.	12	Marion.....	8,412	15	168	50	163
155	Carlisle Coal Mining Co.	7	Bethalto.....	3,150	22	8	394	132
163	Carterville Coal Mining Co.	12	Carterville.....	306,302	362	205	1,494	79
53	Carterville Herrin Coal Co.	12	Herrin.....	228,788	329	142	1,611	75
67	Central Illinois Coal Co.	6	Springfield.....	39,137	106	99	395	131
121	Central West Coal Co.	2	Edwards.....	292,628	206	148	1,977	61
57	Centralia Coal Co., No. 5.....	9	Centralia.....	516,956	917	125	4,136	20
28	Chicago, Wilmington & Franklin Coal Co., No. 1.....	10	Orient.....	1,566,660	1,224	157	9,979	1
98	Chicago, Wilmington & Franklin Coal Co., No. 2.....	10	W. Frankfort.....	91,713	350	37	2,479	47
136	City Lake Coal Co.	12	Herrin.....	29,626	61	151	196	150
100	Clarkson Coal Co.	9	Nashville.....	86,222	110	197	438	126
114	Coal Stripping Co.	9	Pinckneyville.....	55,372	76	38	1,457	80
145	Coal Stripping Co.	9	Marion.....	18,050	65	12	1,504	78
108	Collinsville Coal Corp.	12	Collinsville.....	67,123	55	240	2,860	143
54	Consolidated Coal Co., No. 7.....	12	Herrin.....	306,021	430	107	2,860	40
4	Consolidated Coal Co., No. 15.....	6	Mc. Olive.....	1,008,199	403	218	4,625	13
76	Cosgrove Meehan Coal Co., No. 1.....	12	Marion.....	178,455	313	82	2,176	54
95	Cosgrove Meehan Coal Co., No. 3.....	12	Marion.....	100,804	351	46	2,193	53
38	Cosgrove Meehan Coal Co., No. 5.....	6	Panama.....	404,545	446	158	2,560	45
42	Crerar Clinch Coal Co., No. 14.....	9	Duquoin.....	376,989	606	194	4,011	21
66	Crerar Clinch Coal Co., No. 15.....	9	Duquoin.....	233,735	71	135	1,731	71
51	Crescent Coal Mining Co., No. 1.....	2	Peoria.....	310,997	406	134	2,321	49
29	Crescent Coal Mining Co., No. 6.....	2	Peoria.....	512,374	439	182	2,810	41
79	Dorthel Coal Co., No. 1.....	2	Hanna City.....	168,354	192	263	790	103
87	Dorthel Coal Co., No. 2.....	3	Farmington.....	122,676	256	101	1,215	86

138	Dorthel Coal Co., No. 3	3	Farmington	24,718	186	26	951	96
143	Egyptian Coal Co.	9	Swanwick	19,936	177	33	604	113
146	Eldar Coal Co.	8	Belleville	16,300	21	191	86	158
152	Enterprise Coal Co.	8	Belleville	8,959	42	52	172	154
154	Firebrand Fuel Co.	11	Norris City	8,608	99	135	233	149
31	Franklin County Coal Co., No. 5	10	Herrin	498,747	659	157	3,218	34
25	Franklin County Coal Co., No. 7	10	Royalton	588,362	638	183	3,215	35
104	Freeman Coal Co.	12	Herrin	75,801	332	50	1,516	77
59	Galesburg Mining Co.	3	Galesburg	290,581	300	210	1,384	81
106	Gillespie Coal Co.	6	Gillespie	345,773	167	263	1,315	83
47	Golden Rule Coal Co.	8	Lenzburg	70,148	63	126	557	117
113	Groom Coal Co.	8	Belleville	55,670	92	75	742	104
86	Gundlach Coal Co.	8	E. St. Louis	127,245	105	142	896	98
134	Harrisburg Coal Co., No. 9	8	Belleville	31,532	84	135	234	148
140	Harrisburg Coal Co., "Hen"	11	Harrisburg	23,005	149	24	959	95
149	Henrietta Coal Co., "H. T."	7	Edwardsville	11,006	45	64	172	153
150	Henrietta Coal Co., "H. T."	7	Edwardsville	10,965	37	59	186	151
68	Hillsboro Coal Co.	6	Hillsboro	238,447	257	188	1,268	84
129	Illinois Colliery Co.	3	Farmington	35,189	82	104	338	137
110	Illinois Zinc Co.	1	Peru	61,186	181	169	362	136
22	Indiana & Illinois Coal Corp., No. 10	6	Nokomis	612,440	646	136	4,503	15
141	Jones Bros. Coal Co., No. 1	8	Marissa	22,440	74	85	264	145
124	Jones Bros. Coal Co., No. 2	9	Marissa	38,047	141	71	536	119
142	Kolb Coal Co., No. 2	8	Macoutah	21,633	113	44	492	122
71	Lake Erie Mining Co.	2	Peoria	215,362	188	231	932	97
131	Lenzburg Coal Co.	8	Lenzburg	34,196	54	109	322	141
52	Lumagh Coal Co., No. 2	7	Collinsville	310,026	246	146	2,123	58
167	McCluskey, Pendley & W. Coal Co.	12	Marion	984	11	67	571	15
102	Macon County Coal Co.	5	Decatur	82,274	255	144	15	167
84	Madison Coal Corp., No. 2	7	Glen Carbon	145,616	591	44	3,309	29
90	Madison Coal Corp., No. 5	6	Mt. Olive	106,228	257	66	1,609	76
69	Madison Coal Corp., No. 12	12	Cambria	221,951	875	43	5,162	7
55	Marion County Coal Co.	7	Centralia	302,507	221	162	1,867	66
19	Midland Electric Coal Co.	1	Atkinson	661,317	101	306	2,181	55
49	Mine B. Coal Co.	4	Springfield	330,175	514	150	2,201	52
58	Moffat Coal Co.	9	Sparta	291,900	390	114	2,618	44
36	Mt. Olive & Staunton Coal Co., No. 2	7	Staunton	446,779	329	194	2,246	51
139	Moweaqua Coal Co.	6	Moweaqua	23,507	103	73	322	140
93	Mulberry Hill Coal Co.	8	Freeburg	103,322	79	152	680	106
135	New National Coal Co.	8	Belleville	31,283	35	173	181	152
5	Northern Illinois Coal Corp.	1	Williamston	988,500	200	264	3,718	24
111	Odin Coal Co.	7	Odin	58,069	188	93	624	110
27	O'Gara Coal Co., No. 1	11	Harrisburg	542,239	626	166	3,266	32
48	O'Gara Coal Co., No. 3	11	Harrisburg	343,048	244	180	1,906	65
70	O'Gara Coal Co., No. 10	11	Eldorado	217,079	308	113	1,921	63
123	O'Gara Coal Co., No. 12	11	Harrisburg	38,411	415	16	2,401	48
165	Ogmore Coal Co.	12	Cambria	1,949	22	32	61	160
162	Okay Coal Co.	8	Marissa	4,922	99	17	289	142

TABLE 7—Continued.

Rank	Name of operator and mine	Location		Production in tons	Number employed	Days worked	Av. daily production	
		District	Post office of mine				Tons	Rank
7	Old Ben Coal Corp., No. 8.....	10	W. Frankfort.....	903,625	604	212	4,262	19
120	Old Ben Coal Corp., No. 11.....	10	Christopher.....	41,552	683	9	4,617	16
10	Old Ben Coal Corp., No. 14.....	10	Buckner.....	847,189	710	224	3,782	23
8	Old Ben Coal Corp., No. 15.....	10	Ezra.....	886,789	539	231	3,839	22
80	Old Ben Coal Corp., No. 18.....	12	Johnston City.....	165,238	770	38	4,375	17
88	Pana Coal Co., No. 1.....	4	Pana.....	142,735	192	166	8,860	101
35	Panther Creek Mines, Inc., No. 1.....	4	Auburn.....	456,338	700	149	3,062	37
144	Panther Creek Mines, Inc., No. 3.....	4	Springfield.....	19,181	268	17	1,138	80
78	Panther Creek Mines, Inc., No. 4.....	4	Springfield.....	175,114	337	107	1,642	74
115	Panther Creek Mines, Inc., No. 5.....	4	Springfield.....	553,294	218	63	4,846	102
13	Peabody Coal Co., No. 7.....	4	Kincaid.....	740,218	446	149	4,968	9
12	Peabody Coal Co., No. 8.....	4	Tovey.....	803,470	1,104	127	6,327	4
15	Peabody Coal Co., No. 9.....	4	Langleyville.....	726,331	421	143	5,079	8
40	Peabody Coal Co., No. 18.....	10	W. Frankfort.....	392,193	457	120	3,268	30
20	Peabody Coal Co., No. 19.....	10	W. Frankfort.....	648,988	692	213	3,047	39
21	Peabody Coal Co., No. 24.....	5	Danville.....	645,363	422	208	3,103	38
73	Peabody Coal Co., No. 25.....	12	Cartersville.....	205,174	269	100	2,052	59
44	Peabody Coal Co., No. 43.....	11	Harrisburg.....	371,424	654	115	3,229	33
26	Peabody Coal Co., No. 47.....	11	Harco.....	579,985	923	126	4,524	14
63	Peabody Coal Co., No. 51.....	4	Springfield.....	267,678	301	144	1,866	67
60	Peabody Coal Co., No. 52.....	4	Riverton.....	286,240	343	134	2,136	57
64	Peabody Coal Co., No. 53.....	4	Springfield.....	260,651	335	135	1,931	62
37	Peabody Coal Co., No. 57.....	4	Springfield.....	443,573	558	197	2,252	50
34	Peabody Coal Co., No. 58.....	4	Taylorville.....	467,675	359	143	3,270	31
30	Peabody Coal Co., No. 59.....	4	Springfield.....	502,100	310	245	2,049	60
94	Penwell Coal Co., No. 59.....	4	Pana.....	100,571	343	47	2,140	56
97	Perfection Coal Co., No. 9.....	8	Duquoin.....	93,730	50	95	987	94
92	Perry Coal Co., "Carbon".....	9	O'Fallon.....	103,386	62	218	474	124
130	Perry Coal Co., "Percu".....	8	Coulterville.....	34,977	182	28	1,249	85
65	Perry Coal Co., "St. Elmo".....	8	O'Fallon.....	247,217	147	243	1,017	93
82	Perry Coal Co., "Taylor".....	8	O'Fallon.....	148,770	124	242	615	111
116	Pocahontas Mining Co., No. 1.....	7	Pocahontas.....	52,018	192	129	403	130
122	Power Coal Co., No. 1.....	8	Freeburg.....	38,182	185	114	338	138
117	Prairie Coal Co., No. 1.....	8	Belleville.....	51,897	122	85	607	112
147	Prairie State Coal Co., No. 1.....	1	Granville.....	13,387	201	56	239	147
159	Puritan Coal Co., No. 1.....	12	Marion.....	5,792	21	56	36	164
2	Pyramid Coal Co., No. 1.....	9	Pickneyville.....	1,210,210	200	276	4,349	18
137	Quality Coal Co., No. 1.....	8	Belleville.....	26,261	70	68	386	133
160	Rawalt Coal Co., No. 3.....	3	Canton.....	5,048	9	99	51	162
72	Rex Coal Co., No. 1.....	11	Eldorado.....	214,157	264	120	1,785	70

TABLE 8—OUTPUT OF SHIPPING MINES

Number	Name of operator	Name, number or letter of shaft	Post office address of mine	Number of days in operation and tons of coal mined								
				January		February		March		April		
				Days	Tons	Days	Tons	Days	Tons	Days	Tons	
HENRY COUNTY—FIRST DISTRICT												
1	Midland Electric Coal Corp.	No. 1	Atkinson	26	53,004	24	51,022	26	53,662	25	55,662	
2	Shuler Coal Mining Co.	Alpha	Alpha	15	5,111	11	3,767	9	3,082	7	2,238	
	Total and average.			21	58,115	18	54,789	18	56,744	16	57,900	
LA SALLE COUNTY—FIRST DISTRICT												
1	Union Coal Co.	Union	Peru	20	10,725	17	8,074	22	11,375	15	10,814	
2	Illinois Zinc Co.	No. 3	Peru	25	9,434	21	8,175	22	8,417	14	4,702	
	Total and average.			23	20,159	19	16,249	22	19,792	15	15,516	
PUTNAM COUNTY—FIRST DISTRICT												
1	Prairie State Coal Co.	Mark	Granville.	7	1,673	2	480	1	239			
WILL COUNTY—FIRST DISTRICT												
1	Northern Illinois Coal Corp.	No. 10	Wilmington ...	22	78,066	22	78,317	25	80,376	20	74,701	
PEORIA COUNTY—SECOND DISTRICT												
	Crescent Mining Co.	No. 6	Peoria	18	40,731	22	50,454					
2	Crescent Mining Co.	No. 1	Peoria	19	37,043	17	35,547	26	58,899	23	57,263	
3	Dorthel Coal Co.	No. 1	Hanna City	13	10,723	11	9,314	13	11,494	16	14,249	
4	Central West Coal Co.	No. 3	Edwards	16	6,503	9	2,957	10	5,199	8	2,434	
	Total and average.			16	95,000	15	98,272	16	75,592	16	73,946	
TAZEWELL COUNTY—SECOND DISTRICT												
1	Lake Erie Mining Co.		Peoria	21	26,028	16	20,259	19	23,402	16	15,491	
2	Ubben Coal Co.		Pekin	22	6,192	16	4,323	18	4,800	8	2,074	
	Total and average.			21	32,220	16	24,582	18	28,202	12	17,565	
WOODFORD COUNTY—SECOND DISTRICT												
1	W. G. Sutton.	No. 2	Minonk.	11	4,449	6	2,510	8	3,202	7	2,223	
2	Roanoke Coal & Tile Co.	No. 1	Roanoke.	13	2,301	7	1,194	8	1,255	6	940	
	Total and average.			12	6,750	7	3,704	8	4,457	7	3,163	
FULTON COUNTY—THIRD DISTRICT												
1	United Electric Coal Co.'s.	No. 9	Cuba	15	43,184	12	33,935	15	39,840	14	35,223	
2	Truax-Traer Coal Co.		St. David.	21	46,506	16	36,261	19	36,957	13	22,849	
3	Canton Coal Co.		Canton	12	19,260	11	18,775	15	25,507	14	23,549	
4	Dorthel Coal Co.	No. 2	Farmington.	11	13,883	11	13,977	17	22,760			
5	Illinois Colliery Co.		Farmington.	18	6,506	9	3,301	12	4,150	6	2,114	
6	Dorthel Coal Co.	No. 3	Farmington.	13	11,794	13	12,924					
7	Rawalt Coal Co.		Canton	26	1,271	23	1,231	25	1,303	20	1,003	
	Totals and average.			17	142,404	14	120,404	17	130,517	17	84,738	
KNOX COUNTY—THIRD DISTRICT												
1	Galesburg Mining Co.		Galesburg.	24	30,911	17	23,467	19	26,915	16	21,150	

AND DAYS WORKED EACH MONTH IN 1931

Number of days in operation and tons of coal mined																		Number
May		June		July		August		September		October		November		December		Total		
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	
25 8	54,771 2,473	26 4	56,271 1,118	26 5	56,986 1,369	26 4	58,156 1,256	25 8	53,525 2,517	27 14	55,772 4,458	24 11	53,290 3,366	26 12	59,196 4,482	306 108	661,317 35,237	1 2
17	57,244	15	57,389	15	58,355	15	59,412	16	56,042	20	60,230	17	56,656	19	63,678	207	696,554	
15 10	8,755 3,527	13 5	7,445 1,764	13 7	8,163 2,315	15 8	9,220 2,658	12 11	7,847 3,364	16 15	8,708 5,159	16 15	8,303 5,272	16 16	9,709 6,399	190 169	109,138 61,186	1 2
13	12,282	9	9,209	10	10,478	11	11,878	11	11,211	15	13,867	15	13,575	16	16,108	179	170,324	
..	..	..	..	..	..	..	..	..	..	..	..	23	5,497	23	5,498	56	13,387	1
20	73,354	21	77,280	19	72,832	17	68,178	22	89,256	27	104,323	23	91,707	26	100,110	264	988,500	1
13 12 15 7	24,474 31,656 13,116 1,988	24 .. 23 6	63,598 .. 19,522 1,218	22 .. 24 3	62,215 .. 21,128 1,816	.. 25 26 3	.. 58,464 23,669 1,919	13 12 11 7	36,078 32,125 20,892 3,533	24 .. 11 9	73,908 .. 9,280 3,831	21 .. 14 12	71,992 .. 6,780 4,096	25 .. 23 9	88,924 .. 8,157 3,643	182 134 213 99	512,374 310,997 168,324 39,137	1 2 3 4
12	71,234	18	84,338	16	85,159	18	84,052	14	92,628	15	87,019	16	82,868	19	100,724	157	1,030,832	
23 4	15,710 957	15 6	10,378 1,120	21 6	11,765 1,496	19 7	12,238 1,613	21 11	16,483 2,601	25 20	23,845 4,803	16 11	17,952 2,439	19 17	21,811 3,564	231 146	215,362 35,982	1 2
13	16,667	10	11,498	13	13,261	13	13,851	16	19,084	27	28,648	13	20,391	18	25,375	188	251,344	
.. 3	.. 450	.. ..	.. ..	15 7	5,335 919	7 4	2,982 589	9 4	4,321 621	9 4	4,173 617	7 11	3,128 1,821	9 7	3,893 1,524	88 74	36,216 12,231	1 2
3	450	..	..	11	6,254	6	3,571	7	4,942	7	4,790	9	4,949	8	5,417	81	48,447	
10 14 14 .. 6 5	29,613 26,725 23,365 .. 2,186 240	11 13 11 .. 3 ..	30,325 26,367 19,778 .. 951 ..	7 12 16 .. 4 ..	20,258 22,688 25,424 .. 1,205 ..	7 13 14 .. 2 ..	21,120 25,692 22,638 .. 680 ..	10 16 15 7 10	26,752 30,245 24,456 4,134 3,165	14 20 13 19 12	33,064 34,389 21,998 21,847 3,760	16 17 13 15 8	29,861 28,530 21,858 19,054 2,709	23 23 15 21 14	50,262 38,493 26,103 27,021 4,462	154 197 165 101 104 26 99	393,437 375,702 272,711 122,676 35,189 24,718 5,048	1 2 3 4 5 6 7
10	82,129	9	77,421	10	69,575	9	70,130	12	88,752	16	115,058	14	102,012	19	146,341	121	1,229,481	
11	15,596	12	16,946	12	16,149	19	23,939	15	20,266	21	29,463	22	31,460	22	34,319	210	290,581	1

TABLE 8—

Number	Name of operator	Name, number or letter of shaft	Post office address of mine	Number of days in operation and of tons of coal mined							
				January		February		March		April	
				Days	Tons	Days	Tons	Days	Tons	Days	Tons
CHRISTIAN COUNTY—FOURTH DISTRICT											
1	Peabody Coal Co.	No. 8	Tovey	14	89,571	11	71,818	16	103,137	10	60,489
2	Peabody Coal Co.	No. 7	Kincaid	16	76,751	10	49,360	13	64,455	15	74,962
3	Peabody Coal Co.	No. 9	Langleyville	16	78,057	11	56,548	7	35,394	8	40,367
4	Peabody Coal Co.	No. 58	Taylorville	18	59,274	15	49,920	21	66,699	10	32,327
5	Pana Coal Co.	No. 1	Pana	20	21,920	15	17,791	18	20,095	15	10,779
6	Penwell Coal Mining Co.		Pana	8	17,314	4	10,457	6	14,148	2	3,960
Total and average				15	342,887	11	255,894	14	303,928	10	222,884
LOGAN COUNTY—FOURTH DISTRICT											
1	Brewerton Coal Co.	No. 92	Lincoln	20	14,649	21	11,172	26	14,015	19	9,943
SANGAMON COUNTY—FOURTH DISTRICT											
1	Peabody Coal Co.	No. 59	Springfield	19	36,479	18	35,050	23	46,535	19	37,901
2	Panther Creek Mines	No. 1	Auburn	14	52,751	13	47,961	13	49,331	11	38,426
3	Peabody Coal Co.	No. 57	Springfield	21	50,109	17	40,616	23	53,308	16	36,781
4	The Mine B. Coal Co.	"B"	Springfield	16	38,238	10	22,254	18	41,884	18	42,534
5	Peabody Coal Co.	No. 52	Riverton	14	28,315	12	23,263	16	31,985	9	18,816
6	Peabody Coal Co.	No. 51	Springfield	12	20,427	13	23,355	6	11,044	11	18,850
7	Peabody Coal Co.	No. 53	Springfield	17	35,008	12	24,536	12	23,280	7	11,446
8	Central Ills. C. M. Co.	"A"	Springfield	18	28,871	13	21,973	16	26,509	11	17,803
9	Sangamon Coal Co.	No. 2	Springfield	20	22,296	12	14,442	4	4,829		
10	Panther Creek Mines	No. 4	Springfield	12	20,163	9	15,206	16	26,171	7	11,617
11	Panther Creek Mines	No. 5	Springfield	12	14,017	8	8,410	11	12,524		
12	Panther Creek Mines	No. 3	Springfield	12	14,050	5	5,131				
Total and averages				16	360,724	12	282,197	14	327,400	10	234,174
MACON COUNTY—FIFTH DISTRICT											
1	Macon County Coal Co.	"M. C."	Decatur	19	13,602	16	9,852	20	12,890	8	4,909
VERMILION COUNTY—FIFTH DISTRICT											
1	United States Fuel	"Bun."	Georgetown	14	83,875	13	75,437	15	92,095	11	63,585
2	Peabody Coal Co.	No. 24	Danville	24	67,526	16	48,209	18	54,823	19	57,715
3	United States Fuel	"Verm."	Georgetown	15	74,802	13	65,609	14	69,945	11	51,781
4	United Electric Coal Co.	No. 1	Danville	20	34,301	16	29,354	23	33,697	13	24,549
5	Tilton Mining Co.		Danville								
6	United Electric Coal Co.	No. 14	Danville	4	3,459						
Totals and average				15	263,963	15	218,609	17	250,560	13	197,630
MACOUPIN COUNTY—SIXTH DISTRICT											
1	Consolidated Coal Co. of St. Louis	No. 15	Mt. Olive	25	111,561	20	91,366	24	112,704	16	74,109
2	Superior Coal Co.	No. 4	Gillespie	9	38,147	18	76,386	16	69,358	14	62,071
3	Superior Coal Co.	No. 3	Gillespie	23	74,808	21	66,059	14	45,662	14	49,258
4	Superior Coal Co.	No. 2	Gillespie	15	52,628	17	60,184	17	59,682	12	41,128
5	Superior Coal Co.	No. 1	Gillespie	18	57,472	12	38,625	13	40,199	17	54,004
6	Gillespie Coal Co.		Gillespie	24	30,180	24	29,842	24	29,844	21	26,671
7	Madison Coal Corp.	No. 5	Mt. Olive	18	29,028	17	27,120	18	28,971	13	21,109
8	South Mine Coal Co.		Carlinville	9	1,645	6	1,122	8	1,581	2	382
Total and average				18	395,469	17	390,704	17	388,017	14	328,768
MONTGOMERY COUNTY—SIXTH DISTRICT											
1	Indiana & Illinois Coal Co.	No. 10	Nokomis	13	68,962	11	53,670	15	66,154	11	49,092
2	Cosgrove Meehan Coal Co.	No. 5	Panama	15	40,601	12	35,655	17	46,710	13	33,081
3	Hillsboro Coal Co.		Hillsboro	13	30,165	16	20,385	19	24,462	9	10,963
Total and average				14	139,728	13	109,710	17	137,326	11	93,136

Continued.

Number of days in operation and tons of coal mined

May		June		July		August		September		October		November		December		Total		Number
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	
16	78,934	12	73,578	14	90,277	18	90,173	14	85,073	15	91,455	9	58,796	12	79,276	127	803,470	1
17	88,346	16	83,718	16	77,754	17	88,086	18	92,171	8	85,497	12	60,514	15	81,818	149	740,218	2
11	34,282	5	16,836	4	12,317	4	12,317	12	39,004	16	51,780	15	49,227	16	55,809	143	467,675	3
11	8,598	8	6,371	8	6,085	10	7,359	12	8,318	17	11,926	13	9,930	19	13,563	166	142,735	4
3	7,144							6	10,746	5	10,603	5	11,924	8	14,275	47	100,571	5
12	217,304	10	180,503	13	174,116	12	197,935	12	235,312	13	288,489	11	250,876	14	310,872	129	2,981,000	6
14	6,405	12	5,607	8	4,188	12	5,428	16	6,437	25	13,654	14	9,838	19	13,183	206	114,519	1
21	42,514	1	2,169	26	51,845	23	48,242	25	52,579	27	56,120	21	44,454	22	48,212	245	502,100	1
8	29,936	10	36,078	9	31,657	10	34,332	11	36,428	17	34,448	15	29,089	18	35,801	149	456,238	2
17	40,814	12	29,304	3	7,442	8	10,789	10	17,206	14	28,423	9	19,252	15	32,035	150	330,175	3
22	41,374	21	41,222	22	42,471	2	6,555	15	23,867	14	27,753	13	20,429	14	25,264	135	260,651	4
20	40,740	18	36,918	1	2,250	16	34,380	10	21,761	13	22,585	13	24,662	11	21,688	144	267,678	5
10	16,546	8	13,077	11	16,971	8	13,148	10	16,267	12	20,063	11	17,131	14	20,429	142	228,788	6
6	9,663	5	7,849	5	7,568	8	12,681	7	11,694	11	17,853	10	17,214	11	18,035	106	194,826	7
								1	301	13	7,559	8	4,288	10	6,195	63	53,294	8
																17	19,181	9
15	221,587	13	233,146	13	222,388	13	227,365	13	222,901	16	310,641	14	273,484	15	302,451	137	3,218,458	10
6	3,325	9	4,632					10	4,884	21	10,428	16	7,932	19	9,820	144	82,274	11
9	52,950	10	57,326	10	58,396	8	46,904	7	40,151	8	45,883	8	48,911	12	65,606	125	731,119	12
15	48,315	14	45,475	14	45,532	13	40,951	15	48,349	20	61,978	19	59,151	21	67,339	208	645,363	13
10	48,121	9	43,003	9	44,803	9	42,898	7	32,960	9	42,011	9	41,592	10	45,281	125	602,806	14
13	22,409	10	17,535	12	18,941	10	17,473	17	26,982	20	33,893	16	27,276	21	37,741	191	324,151	15
21	1,688	13	488	13	573	16	943	21	1,282	23	1,763	19	1,246	21	1,966	147	9,949	16
																4	3,459	
14	173,483	11	163,827	12	168,245	11	149,169	13	149,724	16	185,528	14	178,176	17	217,933	133	2,316,847	
15	69,543	15	67,716	17	77,266	15	72,709	16	74,034	19	88,005	16	74,689	20	94,497	218	1,008,199	
22	93,266	14	59,325	14	58,275	16	64,699	14	56,767	12	48,397	10	41,323	14	57,443	173	725,457	
19	67,484	11	38,206	18	63,900	14	49,432	14	50,090	17	61,898	18	66,122	18	68,721	201	701,640	
		21	70,970	13	46,243	15	51,695	13	44,963	17	58,895	15	52,911	14	50,647	169	589,962	
12	37,982	11	34,561	10	31,247	11	34,568	9	29,006	16	50,336	13	43,362	14	46,022	156	497,420	
24	30,893	22	28,638	18	23,908	19	25,167	19	25,788	24	32,478	20	27,759	24	34,605	263	345,773	
																66	106,228	
						5	518	6	610	8	782	14	1,338	17	1,775	75	9,753	
18	299,168	16	299,416	15	300,839	14	298,788	13	281,258	16	340,791	15	307,504	17	353,710	165	3,984,432	
10	44,074	10	43,854	8	36,199	8	38,975	10	43,641	13	56,911	12	53,054	15	57,854	136	612,440	
12	28,374	13	33,094	12	29,918	10	24,372	12	29,400	14	34,349	15	36,623	13	32,368	158	404,545	
11	14,007	19	11,220	11	13,813	15	18,741	14	17,525	22	27,180	16	20,603	23	29,383	188	238,447	
11	86,455	14	88,168	10	79,930	11	82,088	12	90,566	16	118,440	14	110,280	17	119,605	161	1,255,432	

Number	Name of operator	Name, number or letter of shaft	Post office address of mine	Number of days in operation and tons of coal mined							
				January		February		March		April	
				Days	Tons	Days	Tons	Days	Tons	Days	Tons
SHELBY COUNTY—SIXTH DISTRICT											
1	Moweaqua Coal Corp.....	No. 1	Moweaqua.....	10	3,214	11	5,052				
BOND COUNTY—SEVENTH DISTRICT											
1	Pocahontas Mining Co.....		Pocahontas.....	10	5,200	10	5,200	10	5,200	6	2,295
	Totals and average.....			10	5,200	10	5,200	10	5,200	6	2,295
MADISON COUNTY—SEVENTH DISTRICT											
1	Mt. Olive & Staunton Coal Co.....	No. 2	Staunton.....	15	49,673	11	35,782	22	43,457	18	27,875
2	Lumaghi Coal Co.....	No. 2	Collinsville.....	16	37,933	13	29,712	21	43,229	9	18,270
3	Madison Coal Corp.....	No. 2	Glen Carbon.....	12	39,902	12	39,484	10	33,642	10	32,588
4	Collinsville Coal Corp.....		Collinsville.....	25	7,360	21	4,224	22	5,919	17	4,394
5	Troy Mining Co.....	No. 1	Troy.....	17	13,570	14	7,431			4	1,743
6	Bullock Mining Co.....		Collinsville.....	17	8,452	11	5,581	12	6,264	3	1,348
7	Henrietta Coal Co.....	Hen.	Edwardsville.....	13	2,508	6	1,194				
8	Henrietta Coal Co.....	H. T.	Edwardsville.....	15	2,683	10	1,954	16	3,237	6	955
9	Carlin Coal Co.....		Bethalto.....	20	1,062	20	1,020	18	1,103	10	617
	Totals and average.....			17	163,143	14	126,382	17	136,851	10	87,790
MARION COUNTY—SEVENTH DISTRICT											
1	Marion County Coal Co.....		Centralia.....	18	34,631	14	25,348	16	31,155	10	19,318
2	Odin Coal Co.....		Odin.....	10	6,536	6	3,969	10	6,363	6	3,581
	Totals and average.....			14	41,167	10	29,317	13	37,518	8	22,899
CLINTON COUNTY—EIGHTH DISTRICT											
1	Breese Trenton Mining Co.....	N. B.	Breese.....	17	20,567	10	11,694	15	17,930	11	12,370
2	Southern Coal, Coke & Mining Co.....	No. 9	New Baden.....	6	10,910	2	3,555				
	Totals and average.....			12	31,477	6	15,249	15	17,930	11	12,370
ST. CLAIR COUNTY—EIGHTH DISTRICT											
1	United Electric Coal Co.....	No. 13	Freeburg.....	23	36,942	19	34,630	23	41,589	18	32,760
2	St. Louis & O'Fallon Coal Co.....	No. 2	E. St. Louis.....	16	38,819	11	27,522	18	44,736	8	19,829
3	Alcoa Ore Co.....	Radium	Belleville.....	25	25,948	24	22,366	24	28,413	23	23,592
4	Perry Coal Co.....	St. Ellen	O'Fallon.....	25	18,220	23	18,363	25	21,101	8	7,012
5	Southern Coal, Coke & Mining Co.....	L. O. No. 7	Belleville.....	9	8,843	13	13,786	15	16,277	8	8,461
6	Perry Coal Co.....		O'Fallon.....	22	18,331	22	17,717	25	19,553	18	14,337
7	Gundlach Coal Co.....	Taylor	E. St. Louis.....	12	9,041	11	9,888	8	6,816	3	2,533
8	Perry Coal Co.....	Carbon	O'Fallon.....	23	9,928	5	2,145	25	11,187	21	9,627
9	Mulberry Hill Coal Co.....		Freeburg.....	12	7,693	12	8,221	19	12,224	9	6,122
10	Vinegar Hill Coal Co.....		Lenzburg.....	13	6,365	10	4,576	20	9,122	8	3,242
11	Service Coal Co.....		Belleville.....	24	10,806	20	6,753	20	8,279	13	3,544
12	Golden Rule Coal Co.....		Lenzburg.....	12	6,685	9	5,018	21	11,382	7	3,673
13	Groom Coal Co.....		Belleville.....	15	10,116	11	8,197	12	8,602	7	5,549
14	Prairie Coal Co.....	No. 1	Belleville.....	20	12,715	11	6,398	13	8,582	2	1,607
15	Power Coal Co.....	Randle	Freeburg.....	14	6,163	6	2,583	3	1,101	5	1,687
16	Lenzburg Coal Co.....		Lenzburg.....	17	5,276	10	3,144	15	4,794	4	1,334
17	White Coal Co.....		Belleville.....	16	7,846	12	5,383	11	5,356	2	1,088
18	Guest Coal Co.....		Belleville.....	25	7,439	22	4,698	20	4,108	4	677
19	New National Coal Mining Co.....		Belleville.....	26	4,422	24	4,097	22	3,941	9	1,113
20	Quality Coal & Mining Co.....		Belleville.....	24	9,309	11	4,653	11	4,169	2	865
21	Jones Bros. Coal Mining Co.....	No. 1	Marissa.....							11	2,847
22	Kolb Coal Co.....	No. 2	Mascoutah.....	5	2,667	4	1,945	6	3,440	3	1,714
23	Eldnar Coal Co.....	Elmar	Belleville.....	20	2,191	13	1,273	20	1,628	4	407
24	Enterprise Coal & Mining Co.....	"Ent."	Belleville.....					7	1,159	4	799
25	Summit Coal Co.....		Belleville.....	4	427	3	350	5	350	6	498
26	Okay Coal & Mining Co.....		Marissa.....								
	Totals and average.....			17	266,192	13	213,706	16	277,909	8	154,917

Continued.

Number of days in operation and tons of coal mined

May		June		July		August		September		October		November		December		Total		Number
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	
								5	1,148	16	4,105	14	4,064	17	5,924	73	23,507	1
8	3,441	8	2,358	9	3,599	11	4,656	11	2,549	15	6,824	9	3,911	22	6,785	129	52,018	1
8	3,441	8	2,358	9	3,599	11	4,656	11	2,549	15	6,824	9	3,911	22	6,785	129	52,018	
15	24,027	14	22,550	15	23,059	19	29,209	15	31,971	20	63,712	15	48,046	15	47,418	194	446,779	1
9	18,582	9	17,740	8	16,356	9	19,200	10	20,580	14	29,176	13	27,586	15	31,662	146	310,026	2
17	3,955	12	3,516	12	4,142	19	5,021	23	6,422	26	8,918	23	6,082	23	7,170	240	145,616	3
						20	6,564	14	8,157	17	11,477	7	4,944	5	2,899	98	56,785	5
						6	377	7	1,495	9	4,993	15	4,239	15	4,228	100	36,600	6
7	1,191	3	530	2	415				1,004	14	2,416	7	1,480	11	2,027	64	11,006	7
12	525	3	85	9	383	13	535	12	527	18	915	11	613	22	1,027	59	10,965	8
																168	8,412	9
12	48,280	8	44,421	9	44,355	14	60,906	13	70,156	18	121,607	13	92,990	15	96,431	124	1,093,312	
11	20,234	10	18,424	10	18,179	12	21,262	14	24,675	15	29,263	14	26,670	18	33,348	162	302,507	1
7	4,549	8	4,844	1	634					22	12,524	10	6,342	13	8,727	93	58,069	2
9	24,783	9	23,268	5	18,813	12	21,262	14	24,675	18	41,787	12	33,012	16	42,075	128	360,576	
9	10,470	7	7,900	8	9,170	11	12,672	10	11,336	13	14,717	9	9,868	11	12,170	131	150,864	1
										17	7,534	8	3,659	12	6,985	45	32,643	2
9	10,470	7	7,900	8	9,170	11	12,672	10	11,336	15	22,251	8	13,527	11	19,155	88	183,507	
16	27,215	12	20,896	12	20,907	13	23,245	14	25,288	20	37,822	19	36,065	16	31,545	205	368,904	1
6	15,595	6	15,160	5	12,367	7	17,343	7	17,608	12	30,546	8	20,735	15	41,059	119	301,319	2
18	19,998	21	23,397	17	20,241	16	18,160	20	23,541	20	23,079	17	20,836	17	21,237	242	270,808	3
		14	9,919	26	21,894	24	23,881	25	28,158	27	36,958	22	29,494	24	32,217	243	247,217	4
11	11,287	11	11,952	9	9,516	9	9,871	13	14,522	18	18,379	12	13,203	11	12,794	139	148,891	5
20	15,080	15	9,462	24	8,653	23	9,090	18	8,100	22	10,989	15	7,636	18	9,822	242	148,770	6
1	862	14	11,658	17	15,522	14	12,946	14	13,807	15	13,983	17	14,936	16	15,253	142	127,245	7
24	11,579	24	11,905	18	7,133	14	6,449	12	5,828	22	11,567	16	8,407	14	7,631	218	103,386	8
10	6,908	8	5,789	8	5,239	9	6,499	12	8,124	20	13,016	16	10,947	17	10,947	152	103,322	9
11	6,383	14	6,936	18	8,940	12	6,506	14	7,877	18	10,100	12	5,998	15	8,017	165	84,062	10
7	2,714	6	2,000	6	2,368	13	4,487	20	7,500	28	11,521	16	6,280	18	7,400	191	73,652	11
12	-6,509	10	5,328	9	4,870	7	3,839	8	4,514	10	5,325	8	4,949	13	8,056	126	70,148	12
4	3,395	3	2,638	3	2,506	4	3,071	4	2,838	5	3,468	3	2,430	4	2,860	175	55,670	13
1	1,281			1	364	3	1,564	5	2,350	15	7,876	7	4,129	7	3,531	85	51,597	14
6	1,956	6	2,069			11	3,514	12	3,661	17	5,083	15	4,829	19	5,836	114	38,482	15
7	2,188	3	840	3	783	9	2,539	7	2,158	12	4,074	9	2,864	13	4,202	109	34,196	16
								2	1,280	8	4,108	5	2,772	7	3,761	63	31,603	17
								7	1,386	23	5,867	17	3,676	17	3,681	135	31,532	18
3	528		588	2	198	11	1,992	17	2,882	26	5,247	13	2,756	17	3,519	173	31,283	19
1	351			1	130	1	334	2	812	6	2,318	3	1,044	6	2,276	68	26,261	20
7	2,263		1,782	5	1,253	4	1,823	4	1,910	18	3,243	12	2,821	17	4,498	85	22,440	21
2	1,275	2	1,279	2	1,390	2	835	2	1,129	5	2,547	3	1,441	8	1,971	44	21,633	22
21	1,369	12	848	12	891	16	1,270	17	1,255	20	1,777	16	1,327	20	2,064	191	16,300	23
3	586	2	246	1	94							15	2,246	20	3,829	52	8,959	24
2	102									21	1,726	17	1,750	20	2,341	78	7,544	25
														17	4,922	17	4,922	26
9	139,424	9	144,692	9	145,259	11	159,258	11	186,737	17	270,619	13	213,571	15	257,862	134	2,430,146	

Number	Name of operator	Name, number or letter of shaft	Post office address of mine	Number of days in operation and tons of coal mined							
				January		February		March		April	
				Days	Tons	Days	Tons	Days	Tons	Days	Tons
JACKSON COUNTY—NINTH DISTRICT											
1	Union Colliery Co.	Kathleen	Dowell	24	108,279	21	92,304	26	124,774	17	81,757
2	Truax Traer Coal Co.	No. 2	Elkville	13	44,036	8	28,489	12	40,832	8	26,328
3	Truax Traer Coal Co.	No. 1	Elkville	10	31,565	9	31,497	10	34,533	5	17,684
Totals and average				16	183,880	13	152,290	16	200,139	10	125,769
PERRY COUNTY—NINTH DISTRICT											
1	Pyramid Coal Corp.	Pyramid	Pinckneyville	26	113,570	23	90,462	24	110,830	24	112,430
2	United Electric Coal Co.	No. 11	Duquoin	17	71,687	16	66,577	19	78,207	11	50,836
3	Crerar Clinch Coal Co.	No. 14	Duquoin	9	35,641	6	24,854	6	24,360	6	25,527
4	Crerar Clinch Coal Co.	No. 15	Duquoin	13	23,090	12	21,677	12	22,399	3	6,180
5	Perfection Coal Co.		Duquoin	15	15,620	12	12,654	14	14,451	8	7,387
6	Brewerton Coal Co.	No. 45	Pinckneyville	12	8,060	11	7,146	11	7,328	14	9,317
7	Coal Stripping Co.		Pinckneyville								
8	Wilson Coal Mining Co.	N. W.	Cutler	13	10,272	9	7,390	2	1,623		
9	Perry Coal Co.	Perco	Coulterville	17	22,143	11	12,834				
10	Egyptian Coal Co.	Bald Eagle	Swanwick	21	16,484						
11	Bailey Bros.	Diamond	Duquoin	15	940	16	956	14	852	13	388
12	Tamaroa Coal Co.	Brew.No.43	Tamaroa	26	966	24	468	24	480	15	228
Total and average				17	318,473	14	245,018	14	260,530	12	212,293
RANDOLPH COUNTY—NINTH DISTRICT											
1	Moffat Coal Co.		Sparta	13	29,975	12	27,704	10	25,778	11	28,477
2	St. Louis Coal Co.	Florida	Coulterville	18	15,784	10	8,497	22	17,997	6	4,881
3	Jones Bros. Coal Mining Co.	EurekaNo.2	Marissa	10	6,285	10	5,811	5	4,403	9	1,958
Total and average				14	52,044	11	42,012	12	48,178	9	35,316
WASHINGTON COUNTY—NINTH DISTRICT											
1	Centralia Coal Co.	No. 5	Centralia	15	30,528	12	23,029	13	24,954	12	23,834
2	Clarkson Coal & Mining Co.		Nashville	18	8,966	17	8,739	21	10,201	15	6,851
Total and average				16	39,494	14	31,768	17	35,155	13	30,685
FRANKLIN COUNTY—TENTH DISTRICT											
1	C. W. & F. Coal Co.	New Orient	W. Frankfort	14	137,105	19	193,112	22	222,412	17	175,758
2	Bell & Zoller Coal & Mining Co.	No. 1	Zeigler	22	146,693	9	60,662	12	80,933	1	6,644
3	Old Ben Coal Corp.	No. 8	W. Frankfort	17	72,499	12	52,033	19	75,729	5	21,548
4	Old Ben Coal Corp.	No. 15	Ezra	19	72,835	17	66,292	18	67,429	15	56,297
5	Bell & Zoller Coal & Mining Co.	No. 2	Zeigler	6	42,701	9	62,095	10	71,672	9	64,364
6	Old Ben Coal Corp.	No. 14	Buckner	25	90,696	18	71,576	22	80,754	19	72,472
7	Valier Coal Co.		Valier	12	73,753	12	73,611	12	69,631	6	40,192
8	Peabody Coal Co.	No. 19	W. Frankfort	24	73,813	18	56,104	20	59,709	15	45,421
9	Franklin County Coal Co.	No. 7	Royalton	18	69,485	11	39,061	18	59,746	12	40,288
10	C. W. & F. Coal Co.	No. 1	Orient	17	107,236						
11	Franklin Co. Coal Co.	No. 5	Herrin	19	43,180	11	35,576	15	45,291	4	13,973
12	Peabody Coal Co.	No. 18	W. Frankfort	16	44,072	5	14,667	13	39,904	6	18,768
13	Brewerton Coal Corp.	No. 21	W. Frankfort	21	44,511	12	26,584				
14	Brewerton Coal Co.	No. 22	Sesser	19	38,308						
15	Old Ben Coal Corp.	No. 11	W. Frankfort	9	41,552						
Totals and average				17	1,098,439	13	751,373	16	873,210	10	555,725

Continued.

Number of days in operation and tons of coal mined

May		June		July		August		September		October		November		December		Total		Number
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	
17	83,361	19	90,188	19	90,762	20	95,769	18	83,094	19	87,893	15	67,840	10	45,545	225	1,051,566	1
13	42,454	16	53,806	14	47,088	13	42,967	8	24,952	13	43,292	12	38,865	16	51,358	146	484,467	2
7	24,278	5	17,407	3	9,027	6	22,078	9	33,159	13	45,598	13	41,555	14	47,594	104	355,975	3
9	150,093	13	161,401	12	146,877	13	160,814	12	141,205	15	176,783	13	148,260	13	144,497	158	1,892,008	
22	99,133	21	90,641	23	100,046	24	107,390	24	96,974	23	106,201	20	88,664	22	93,869	276	1,210,210	1
13	65,902	14	71,285	10	56,058	12	65,548	12	59,508	14	75,904	12	66,067	15	89,080	165	816,659	2
6	25,503	7	29,348	9	37,105	10	40,160	9	37,435	10	38,496	8	30,761	8	27,799	94	376,989	3
11	20,809	13	22,973	12	19,469	11	19,477	8	14,512	14	23,406	12	20,785	14	18,958	135	233,735	4
5	4,711	4	3,472	4	4,142	5	4,454	5	5,060	8	7,891	7	6,183	8	7,705	95	93,730	5
8	2,745	.....	.....	.....	.....	5	2,698	10	6,967	11	7,712	12	8,092	14	8,851	108	68,916	6
6	4,213	8	5,087	.....	.....	.....	.....	2	800	6	2,184	11	20,858	19	31,530	38	55,372	7
.....	.....	.....	.....	.....	.....	.....	.....	3	1,512	12	5,475	12	6,295	11	5,817	76	47,684	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	34,977	9
.....	.....	2	404	10	3,048	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	19,936	10
15	952	15	885	14	751	10	235	15	280	16	1,201	16	545	16	865	175	8,850	11
8	154	3	75	16	349	18	537	22	729	24	868	20	610	20	626	220	6,090	12
10	224,122	10	224,170	12	220,968	12	240,499	11	223,777	14	269,338	13	248,860	15	285,100	120	2,973,148	
10	23,395	9	23,846	7	18,446	8	20,293	9	23,904	9	24,747	8	22,974	8	22,361	114	291,900	1
5	4,157	5	4,167	5	4,058	10	8,139	9	7,610	12	10,358	9	7,753	3	2,941	114	96,342	2
2	1,596	2	1,352	2	1,029	5	2,103	4	2,384	11	5,057	5	2,803	6	3,266	71	38,047	3
6	29,148	5	29,365	5	23,533	8	30,535	7	33,898	11	40,162	7	33,530	6	28,568	100	426,289	
11	21,500	12	23,729	9	17,517	12	24,113	12	24,182	12	24,012	13	25,568	15	29,662	148	292,628	1
10	4,373	12	4,408	18	6,085	19	5,955	18	7,804	19	8,880	14	6,530	16	7,430	197	86,222	2
10	25,873	12	28,137	13	23,602	16	30,068	15	31,986	16	32,892	13	32,098	15	37,092	172	378,850	
12	116,420	.....	.....	.....	.....	18	174,759	16	154,133	14	139,653	12	119,813	13	133,495	157	1,566,660	1
3	19,894	11	73,263	10	66,553	21	142,366	13	82,227	17	119,128	11	75,116	9	63,306	139	936,785	2
16	70,277	12	48,082	25	99,047	24	98,725	25	103,682	22	104,271	15	68,230	20	89,502	212	903,625	3
8	30,946	20	76,389	24	87,652	25	92,554	24	90,872	22	88,715	17	67,127	22	89,681	231	886,789	4
14	98,585	9	65,485	13	87,818	11	77,578	12	83,153	8	56,433	10	68,058	12	81,907	123	859,849	5
19	73,119	12	44,092	19	68,166	20	73,998	19	67,075	23	92,184	14	56,077	14	56,980	224	847,189	6
9	54,655	8	48,665	6	36,514	8	49,275	9	55,455	10	60,972	9	55,767	13	81,172	114	699,662	7
2	6,024	16	45,208	24	73,571	21	65,979	14	43,253	18	55,710	17	49,995	24	74,201	213	648,988	8
9	30,509	19	58,815	14	42,390	20	56,806	17	50,063	17	51,662	14	45,173	14	44,364	183	588,362	9
17	47,478	15	47,834	.....	.....	18	63,691	18	72,363	14	59,599	14	63,004	12	55,751	125	516,956	10
14	47,533	.....	.....	16	49,709	17	58,767	16	56,738	16	56,796	11	35,382	16	55,802	155	498,747	11
19	61,895	5	16,948	.....	.....	6	18,667	12	40,456	14	51,103	10	36,890	14	48,823	120	392,193	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	10,663	45	81,758	13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	897	22	23,240	46	62,445	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9	41,552	15	
12	657,335	13	524,781	17	611,420	17	973,165	16	899,470	16	936,226	12	741,529	16	908,887	139	9,531,560	

TABLE 8—

Number	Name of operator	Name, number or letter of shaft	Post office address of mine	Number of days in operation and of tons of coal mined								
				January		February		March		April		
				Days	Tons	Days	Tons	Days	Tons	Days	Tons	
SALINE COUNTY—ELEVENTH DISTRICT												
1	Peabody Coal Co.	No. 47	Harco	14	67,081	9	43,188	10	47,300	11	48,507	
2	O'Gara Coal Co.	No. 1	Harrisburg	14	47,552	11	36,925	18	59,312	6	19,296	
3	Wasson Coal Co.	No. 1	Harrisburg	19	56,712	14	40,913	18	47,854	11	30,670	
4	Peabody Coal Co.	No. 43	Harrisburg	16	54,677	14	50,444	13	41,620	9	29,215	
5	O'Gara Coal Co.	No. 3	Harrisburg	21	43,046	14	28,842	14	26,202	7	12,264	
6	O'Gara Coal Co.	No. 10	Eldorado	8	18,144	7	14,643	11	25,226			
7	Rex Coal Co.	No. 2	Eldorado							10	15,535	
8	Blue Bird Coal Co.		Carrier Mills	13	18,862	12	16,331	12	13,099	12	13,233	
9	Wasson Coal Co.	No. 2	Harrisburg									
10	O'Gara Coal Co.	No. 12	Harrisburg	9	21,641	7	16,770					
11	Harrisburg Coal Mining Co.	No. 9	Harrisburg	24	23,005							
	Total and average			15	350,720	11	248,056	14	260,613	9	168,720	
WHITE COUNTY—ELEVENTH DISTRICT												
1	Fireband Fuel Co.	No. 1	Norris City	14	3,023							
WILLIAMSON COUNTY—TWELFTH DISTRICT												
1	Carterville Herrin Coal Co.		Herrin	16	33,646	14	27,432	15	28,766	11	19,992	
2	Consolidated Coal Co.	N. M.	Herrin	7	15,282	4	9,222	10	27,430	6	18,183	
3	Madison Coal Corp.	No. 12	Cambria	11	57,435	11	57,465	11	57,376	10	49,675	
4	Peabody Coal Co.	No. 25	Carterville	14	28,383	12	24,829	16	32,795	9	18,722	
5	Cosgrove Meehan Coal Co.	No. 1	Johnston City	17	39,123	13	30,336	14	27,925	13	27,647	
6	St. Louis Coal & Iron Co.	No. 2	Johnston City	20	15,893	18	13,889	17	14,376	18	15,045	
7	Old Ben Coal Corp.	No. 18	Johnston City	4	21,032							
8	Wallace Coal Co.		Marion	22	9,988	20	9,553	23	10,211	20	9,353	
9	Cosgrove Meehan Coal Co.	No. 3	Marion	15	32,645	11	24,619	15	33,061	5	10,539	
10	C. W. & F. Mining Co.	"A"	Herrin	13	32,233	10	24,186	9	23,694	5	11,600	
11	Carbon Fuel Co.		Marion	20	9,030	18	6,717	18	6,565	19	7,938	
12	Freeman Coal Mining Co.		Herrin	22	35,635	8	14,756	11	21,178			
13	City Lake Coal Co.		Herrin	13	3,072	14	2,961	17	3,549	12	2,357	
14	Coal Stripping Co.		Marion	12	18,050							
15	Skaggs Coal Co.	No. 1	Herrin	23	6,154							
16	Puritan Coal Co.	No. 1	Johnston City									
17	Carterville Coal & Mining Co.	No. 1	Carterville									
18	Ogmore Coal Co.		Cambria	4	382	3	277	5	394	3	115	
19	Spillertown Mining Co.		Marion	5	100	5	100					
20	McCluskey Pendley & Wilkinson	No. 2	Marion									
	Totals and average			14	358,083	11	246,342	14	287,320	11	191,166	

Concluded.

Number of days in operation and tons of coal mined

May		June		July		August		September		October		November		December		Total		Number
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	
15	68,865	3	13,693	17	74,475	16	74,968	11	50,872	10	42,463	10	48,573	126	579,985	1		
12	38,262	12	37,325	13	40,715	15	50,212	21	69,233	17	55,902	13	41,377	14	46,128	166	542,239	2
9	24,857	7	18,855	8	21,415	12	33,140	9	25,522	10	28,040	10	28,306	11	30,769	138	387,053	3
17	31,406	8	14,729	12	22,771	15	28,404	11	20,054	21	39,777	21	39,413	19	36,140	180	343,048	5
10	17,455	8	13,102	8	13,928	9	15,888	12	22,932	13	24,523	11	20,990	16	30,248	113	217,079	6
14	22,420	9	16,174	9	15,928	14	25,763	16	28,713	20	36,379	14	25,859	14	27,386	120	214,157	7
11	11,543	10	10,728	10	13,419	11	13,798	15	17,368	20	24,552	19	20,023	23	23,512	168	196,468	8
5	2,720	6	3,085	13	8,498	13	9,102	12	8,947	16	11,798	65	44,150	9	38,411	10	23,005	11
13	214,808	8	156,643	11	190,029	12	244,765	14	267,288	15	303,249	13	255,906	15	296,222	112	2,957,019	
9	16,403	14	22,951	13	24,670	23	27,935	25	29,450	24	29,539	17	19,721	24	25,797	205	306,302	1
7	19,161	10	22,641	10	23,408	9	25,354	15	44,767	12	39,389	8	28,702	9	32,482	107	306,021	2
13	14,213	7	14,601	7	14,934	7	14,700	4	8,017	5	9,983	6	12,140	6	11,857	100	205,174	3
17	15,030	16	15,244	16	15,032	16	15,175	16	15,011	16	15,045	15	14,387	13	12,406	82	178,455	5
17	6,959	16	6,301	21	9,768	20	8,708	19	7,825	20	4,091	14	68,549	14	71,566	198	176,533	6
20	8,268	20	7,988	17	6,947	19	7,459	19	7,797	18	7,068	13	5,628	20	7,824	241	105,812	8
7	1,362	16	3,234	10	2,041	11	2,186	13	2,493	13	1,948	13	2,298	12	2,125	46	100,864	9
1	49	10	250	30	241	14	342	20	800	25	1,600	20	1,059	21	1,500	37	91,713	10
11	109,402	16	118,677	13	97,041	12	101,925	15	116,515	14	120,504	13	160,567	14	182,556	221	89,229	11
																50	75,801	12
																151	29,626	13
																12	18,050	14
																23	6,154	15
																160	5,792	16
																8	3,150	17
																90	1,949	18
																200	1,300	19
																289	984	20

TABLE 9—OUTPUT OF SHIPPING MINES AND

Districts	Number of days in operation and tons of coal mined											
	January		February		March		April		May		June	
	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons
First.....	19	158,013	19	149,835	17	157,151	16	148,117	16	142,880	13	143,878
Second.....	17	133,970	13	126,558	15	108,251	12	94,674	11	88,351	15	95,836
Third.....	18	173,315	14	143,871	18	157,432	13	105,888	10	97,725	10	94,367
Fourth.....	16	718,260	12	549,263	15	645,343	12	467,001	14	445,296	12	419,256
Fifth.....	16	277,565	15	228,461	18	263,450	12	202,539	12	176,808	11	168,459
Sixth.....	16	538,411	15	505,466	15	525,343	13	421,904	15	385,623	14	387,584
Seventh.....	14	209,510	12	160,899	16	179,569	9	112,984	8	76,504	8	70,047
Eighth.....	17	297,669	13	228,955	16	295,839	8	167,287	9	149,894	10	152,592
Ninth.....	16	593,891	13	471,088	14	544,002	11	404,063	9	429,236	10	443,073
Tenth.....	17	1,098,439	13	751,373	16	873,210	10	555,725	12	657,335	13	524,781
Eleventh.....	15	353,743	11	248,056	14	260,613	9	168,720	13	214,808	8	156,643
Twelfth.....	14	358,083	11	246,342	14	287,320	11	191,166	11	109,402	16	118,677
Totals and average.....	16	4,910,869	13	3,810,167	16	4,297,523	11	3,040,068	12	2,973,862	12	2,775,193

TABLE 10—SUMMARY BY DISTRICTS—MINES

Districts	Total number of mines	No. of mines working and average days worked each month of the year											
		January		February		March		April		May		June	
		Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked
First.....	6	6	19	6	19	6	17	5	16	5	16	5	13
Second.....	8	8	17	8	13	7	15	7	12	7	11	5	15
Third.....	8	8	18	8	14	7	18	6	13	6	10	5	10
Fourth.....	19	19	16	19	12	19	15	16	12	13	14	14	12
Fifth.....	7	6	16	5	15	5	18	5	12	6	12	6	11
Sixth.....	12	12	16	12	15	11	15	11	13	8	15	9	14
Seventh.....	12	12	14	12	12	10	16	11	9	8	8	8	8
Eighth.....	28	25	17	25	13	25	16	26	8	23	9	21	10
Ninth.....	20	19	16	18	13	17	14	16	11	17	9	17	10
Tenth.....	15	15	17	12	15	11	16	11	10	12	12	10	13
Eleventh.....	12	10	15	8	11	7	14	7	9	7	13	9	8
Twelfth.....	20	17	14	14	11	13	14	12	11	9	11	9	16
Totals and average...	167	157	16	147	13	138	16	133	11	121	12	118	12

DAYS WORKED EACH MONTH BY DISTRICTS

Number of days in operation and tons of coal mined													
July		August		September		October		November		December		Total	
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons
14	141,665	14	139,468	16	156,509	20	178,420	17	167,435	20	185,394	182	1,868,765
14	104,674	13	101,474	13	116,654	15	120,457	13	108,208	15	131,516	146	1,330,623
10	85,724	11	94,069	12	109,018	17	144,521	18	133,472	20	180,660	132	1,520,062
13	400,692	13	430,728	13	464,650	16	612,784	13	534,198	15	626,506	138	6,313,977
12	168,245	11	149,169	13	154,608	17	195,956	14	186,108	17	227,753	135	2,399,121
13	380,769	13	380,876	13	372,972	16	463,336	15	421,848	17	479,239	156	5,263,371
8	66,767	13	86,824	13	97,380	18	170,218	12	129,913	16	145,291	125	1,505,906
9	154,429	11	171,930	11	198,073	17	292,870	12	227,098	15	277,017	130	2,613,653
11	414,980	12	461,916	11	430,866	14	519,175	12	462,748	12	495,257	128	5,670,295
17	611,420	17	973,165	16	899,470	16	936,226	12	741,529	16	908,887	139	9,531,560
11	190,029	12	244,765	14	267,288	15	305,494	12	257,103	15	298,365	106	2,965,627
13	97,041	12	101,925	15	116,515	14	120,504	13	160,567	14	182,556	94	2,090,098
12	2,816,435	13	3,336,309	13	3,384,003	16	4,059,961	14	3,530,227	16	4,138,441	130	43,073,058

IN OPERATION AND AVERAGE DAYS WORKED

No. of mines working and average days worked each month of the year													
July		August		September		October		November		December		The State	
Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked	Number of mines worked	Average days worked
5	14	5	14	5	16	5	20	6	17	6	20	6	182
7	14	7	13	8	13	7	15	7	13	8	15	8	146
5	10	5	11	6	12	6	17	6	18	6	20	8	132
13	13	14	13	15	13	18	16	18	13	18	15	19	138
5	12	5	11	6	13	6	17	6	14	6	17	7	135
9	13	10	13	11	13	11	16	11	15	11	17	12	156
8	8	8	13	9	13	10	18	10	12	10	16	12	125
22	9	22	11	24	11	26	17	27	12	28	15	28	130
16	11	16	12	18	11	18	14	18	12	18	12	20	128
9	17	12	17	12	16	12	16	13	12	14	16	15	139
7	11	8	12	8	14	10	15	10	12	10	15	12	106
8	13	9	12	10	15	13	14	12	13	14	14	20	94
114	12	121	13	132	13	142	16	144	14	148	16	167	130

TABLE 11—CLASSIFICATION

Number	Name of operator	Postoffice of mine	Underground								
			Brattice Men	Cagers	Drivers	Boss Drivers	Electricians and Helpers	Mechanical Loading Machine Operators	Mine Examiners	Mine Mgrs. and Assistants	Machine Miners
HENRY COUNTY—FIRST DISTRICT											
1	Midland Elec. Coal Corp.....	Atkinson.....									
2	Shuler Coal Ming. Co.....	Alpha.....	1	1	5				1	1	
	Total.....		1	1	5				1	1	
LASALLE COUNTY—FIRST DISTRICT											
1	Union Coal Co., Union.....	Peru.....		2	11	1			1	2	168
2	Illinois Zinc Co.....	Peru.....		2	10				1	1	
	Total.....			4	21	1			2	3	168
PUTNAM COUNTY—FIRST DISTRICT											
1	Prairie State Coal Co.....	Granville.....		2	8	1			1	1	
WILL COUNTY—FIRST DISTRICT											
1	Northern Illinois Coal Corp.....	Wilmington.....									
PEORIA COUNTY—SECOND DISTRICT											
1	Crescent Mining Co., No. 6.....	Peoria.....			20		6		2	6	311
2	Crescent Mining Co., No. 1.....	Peoria.....			21		4		2	5	277
3	Dorthel Coal Co., No. 1.....	Hanna City.....		1	9	1	1		1	1	140
4	Central West Coal Co.....	Peoria.....			6				1	1	72
	Total.....			1	56	1	11		6	13	800
TAZEWELL COUNTY—SECOND DISTRICT											
1	Lake Erie Mining Co.....	Peoria.....			8	1	2		1	2	133
2	Ubben Coal Co.....	Pekin.....		2	3				1	1	32
	Total.....			2	11	1	2		2	3	165
WOODFORD COUNTY—SECOND DISTRICT											
1	W. G. Sutton.....	Minonk.....		2	7				1	1	
2	Roanoke Coal and Tile Co.....	Roanoke.....		1	5				1	1	
	Total.....			3	12				2	2	
FULTON COUNTY—THIRD DISTRICT											
1	United Electric Coal Co's., No. 9.....	Cuba.....									
2	Truax-Traer Coal Co.....	St. David.....									
3	Canton Coal Co.....	Canton.....	1	3	18	1	1		1	2	210
4	Dorthel Coal Co., No. 2.....	Farmington.....		2	12		2		1	1	131
5	Illinois Colliery Co.....	Farmington.....		1	6				1	1	24
6	Dorthel Coal Co., No. 3.....	Farmington.....		1	11		1		1		81
7	Rawalt Coal Co.....	Canton.....			1				1	1	2
	Total.....		1	7	48	1	4		5	5	448

OF MINE EMPLOYEES

Underground													On surface																	Total—All Employees	Number	
Pick Miners	Motormen and Assistants	Machine Helpers	Machine Runners	Pumpmen and Pipemen	Shot Firers	Shot Firers' Runners	Spraggers	Stablemen	Timbermen	Trackmen	Trappers	All Others Underground	Total Underground	Blacksmith	Blacksmith Helpers	Carpenters	Hoisting	Engineers Other	Firemen	Top Foremen	Machinists and Helpers	Picking Table Workers	Superintendents	Stablemen—top	Watchmen	Weighmen	Office Employees at Mine	Others on Surface	Total on Surface			
64					1				1	1		1	77	1	1	1	1	9		4	1	10	1	1	1	1	6	66	101	101	1	
64					1				1	1		1	77	2	1	1	1	9		4	1	11	2	1	1	2	7	66	108	185	2	
143	1	5	10				3	1	2	2		9	218	1	1	1	2			1	1	1			1	1		8	18	236	1	
143	2								1	1		8	168	1			2			1	1				1	1		7	13	181	2	
143	3	5	10				3	1	2	3		17	386	2	1	1	4			2	1	1			2	2		15	31	417		
160				1			1		4	2			181	1	1	2	1	1	3	1	1				1	1	2	5	20	201	1	
														2	1	2		18		1	2	14	1		1	2	5	151	200	200	1	
	7	15	15	4					4	17		14	421	1		1				2	3			1	1	1	3	5	18	439	1	
	7	13	13	5			3		7	14	2	11	384	1		2				1	1			1	1	1	2	12	22	406	2	
	2	9	9		4		1		2	2			183	1		1	2	1					1		1	1	1	9	19	192	3	
6	1	3	3	2					3	3		1	99	1									1	1		1	1	2	7	106	106	4
6	17	40	40	9	6		4		13	36	2	26	1,087	4		4	2	1		3	4		1	4	2	4	7	20	56	1,143		
	4	8	9	1	2				2	2			175	1		1				1	1			1	1	1	1	5	13	188	1	
	1	4	4						1	1		2	52	1			1			1						1	1	1	7	59	188	2
	5	12	13	1	2				3	3		2	227	2		1	1			2	1		1	1	1	2	2	6	20	247		
136	2									1		3	153	1			2				1	2	1		1	1		1	10	163	1	
69	1								2	2		1	83	1			3	1					1		1	1	1	1	9	92	2	
205	3								2	3		4	236	2			5	1			1	2	2		1	2	1	2	19	255		
														1		1	1			1	6	10	1		1	1	3	100	100	100	1	
	8	14	14		4			1	3	5	1	2	289	1		1	1			1	1			1	1	1	3	39	65	65	2	
63	4	7	7		4		1	1	2	6			244	1	2		2			1	1						6	16	305	3		
33	2	2	2		2				2				74	1			1	1									4	12	256	4		
59	2	5	5	1	3		1		1	4			176	1	1		2									1	1	1	8	82	5	
	1	1	1										8													1	2	3	10	186	6	
																											1		1	9	7	
155	15	29	29	1	13		2	2	8	15	1	2	791	5	4	1	9	1	1	4	7	10	3		2	6	6	153	212	1,003		

TABLE 11—

Number	Name of operator	Postoffice of mine	Underground								
			Brattice Men	Cagers	Drivers	Boss Drivers	Electricians and Helpers	Mechanical Loading Machine Operators	Mine Examiners	Mine Mgrs. and Assistants	Machine Miners
KNOX COUNTY—THIRD DISTRICT											
1	Galesburg Mining Co.	Galesburg.	1	2	16	..	4	..	1	3	160
CHRISTIAN COUNTY—FOURTH DISTRICT											
1	Peabody Coal Co., No. 8.	Tovey.	4	2	..	..	17	..	3	8	727
2	Peabody Coal Co., No. 7.	Kincaid. ....	..	2	..	..	18	28	2	14	..
3	Peabody Coal Co., No. 9.	Langleyville.	2	1	1	1	16	28	2	12	100
4	Peabody Coal Co., No. 58.	Taylorville.	1	2	..	..	19	12	2	11	..
5	Pana Coal Co., No. 1.	Pana. ....	..	1	8	..	..	..	1	1	..
6	Penwell Coal Mining Co.	Pana.	2	14	1	..	..	..	2	1	8
Total.			7	10	23	2	70	68	12	47	835
LOGAN COUNTY—FOURTH DISTRICT											
1	Brewerton Coal Co., No. 92.	Lincoln.	1	2	13	1	1	..	2	2	..
SANGAMON COUNTY—FOURTH DISTRICT											
1	Peabody Coal Co., No. 59.	Springfield.	1	1	26	..	9	100	1	7	..
2	Panther Creek Mines, No. 1.	Auburn.	2	1	..	..	2	..	3	6	8
3	Peabody Coal Co., No. 57.	Springfield.	1	2	24	..	4	..	2	5	..
4	Mine B. Coal Co., B.	Springfield.	1	1	18	..	1	..	2	2	..
5	Peabody Coal Co., No. 52.	Riverton.	1	2	23	..	4	..	1	7	159
6	Peabody Coal Co., No. 51.	Springfield.	1	2	17	..	4	..	1	6	119
7	Peabody Coal Co., No. 53.	Springfield.	2	2	30	..	5	..	1	7	27
8	Central Illinois Coal Mining Co.	Springfield. ....	..	1	16	1	..	..	1	1	..
9	Sangamon Coal Co., No. 2.	Springfield. ....	..	1	15	1	..	..	1	2	..
10	Panther Creek Mines, No. 4.	Springfield. ....	..	1	15	..	1	..	2	3	..
11	Panther Creek Mines, No. 5.	Springfield. ....	..	1	8	..	..	..	1	1	..
12	Panther Creek Mines, No. 3.	Springfield. ....	..	1	12	..	..	..	1	3	..
Total.			9	16	204	2	30	100	17	50	313
MACON COUNTY—FIFTH DISTRICT											
1	Macon Co. Coal Co.	Decatur. ....	..	2	12	1	3	..	1	3	150
VERMILION COUNTY—FIFTH DISTRICT											
1	United States Fuel, "Bun."	Georgetown.	8	4	7	..	11	..	5	14	660
2	Peabody Coal Co., No. 24.	Danville.	5	1	26	..	18	24	2	7	..
3	United States Fuel, "Verm."	Georgetown.	10	5	12	..	14	..	5	13	562
4	United Electric Coal Co., No. 1.	Danville. ....	..	..	..	..	..	..	..	..	..
5	Tilton Mining Co.	Danville. ....	..	..	1	..	..	..	1	1	24
6	United Electric Coal Co., No. 14.	Danville. ....	..	..	7	..	1	..	1	1	81
Total.			23	10	53	..	44	24	14	36	1,327

16	73	77	77	2	24	6	13	3	124	115	19	209	2,289	8	7	4	11	5	9	4	3	16	1	1	1	6	10	208	294	2,583
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TABLE 11—

Number	Name of operator	Postoffice of mine	Underground								
			Brattice Men	Cagers	Drivers	Boss Drivers	Electricians and Helpers	Mechanical Loading Machine Operators	Mine Examiners	Mine Mgrs. and Assistants	Machine Miners
MACOUPIN COUNTY—SIXTH DISTRICT											
1	Consolidated Coal Co. of St. Louis, No. 15	Mt. Olive	1	1			11	26	3	9	
2	Superior Coal Co., No. 4	Gillespie	6	3			10		3	11	366
3	Superior Coal Co., No. 3	Gillespie	6	3	1		8		4	9	393
4	Superior Coal Co., No. 2	Gillespie	2	3			13		4	11	320
5	Superior Coal Co., No. 1	Gillespie	4	3	2		11		3	13	204
6	Gillespie Coal Co.	Gillespie	1	1	12		3		1	4	85
7	Madison Coal Corp., No. 5	Mt. Olive		3	10		1		2	4	176
8	South Mine Coal Co.	Carlinville			3				1		24
Total			26	17	28		57	26	21	61	1,568
MONTGOMERY COUNTY—SIXTH DISTRICT											
1	Indiana and Illinois Coal Co., No. 10	Nokomis	2	2		1	18		2	5	126
2	Cosgrove Meehan Coal Co., No. 5	Panama	7	2	7	1	9		3	10	208
3	Hillsboro Coal Co.	Hillsboro	2	2	14		2		2	8	105
Total			11	6	21	2	29		7	23	439
SHELBY COUNTY—SIXTH DISTRICT											
1	Moweaqua Coal Corp.	Moweaqua		1	5		1		1	1	42
BOND COUNTY—SEVENTH DISTRICT											
1	Pocahontas Mining Co.	Pocahontas	1	1	6		1		2		130
MADISON COUNTY—SEVENTH DISTRICT											
1	Mt. Olive & Staunton Coal Co., No. 2	Staunton		1	22	1	10		3	6	153
2	Lumaghi Coal Co., No. 2	Collinsville	1	1			7		2	6	20
3	Madison Coal Corp., No. 2	Glen Carbon		4	27	1	7		3	6	373
4	Collinsville Coal Corp.	Collinsville		1	3					1	
5	Troy Mining Co.	Troy		1	8	1	2		1	1	58
6	Bullock Mining Co.	Collinsville		2	7				1	1	
7	Henrietta Coal Co., "Hen."	Edwardsville		1	4				1	1	23
8	Henrietta Coal Co., H. T.	Edwardsville		1	3				1	1	21
9	Carlin Coal Co.	Bethalto				2				1	8
Totals			1	12	74	5	26		12	24	656
MARION COUNTY—SEVENTH DISTRICT											
1	Marion Co. Coal Co.	Centralia	2	1	17		9	14	2	8	18
2	Odin Coal Co.	Odin		4	10		1		1	1	
Total			2	5	27		10	14	3	9	18
CLINTON COUNTY—EIGHTH DISTRICT											
1	Breese-Trenton Mining Co., N. B.	Breese		2	9		4	4	1	5	35
2	Southern Coal, Coke & Mining Co., No. 9	New Baden	3	2			3	2	2	3	
Total			3	4	9		7	6	3	8	35

Continued

Underground													On surface													Total—All Employees	Number			
Pick Miners	Motormen and Assistants	Machine Helpers	Machine Runners	Pumpmen and Pipemen	Shot Firers	Shot Firers' Runners	Spraggers	Stablemen	Timbermen	Trackmen	Trappers	All Others Underground	Total Underground	Blacksmith	Blacksmith Helpers	Engineers		Firemen	Top Foremen	Machinists and Helpers	Picking Table Workers	Superintendents	Stablemen—top	Watchmen	Weighmen			Office Employees at Mine	Others on Surface	Total on Surface
																Hoisting	Other													
...	48	13	13	13	2	2	1	16	25	1	102	287	3	1	4	4	...	4	1	3	40	1	1	2	2	52	116	403	1	
...	38	7	7	7	2	2	2	24	28	1	109	614	3	1	10	4	...	6	1	3	...	1	1	1	1	6	35	649	2	
...	39	8	8	8	2	2	2	12	33	1	119	645	3	1	4	4	...	8	1	3	...	1	1	1	1	8	36	681	3	
...	34	20	19	19	2	2	2	14	24	1	105	578	2	2	2	4	...	6	1	1	...	1	1	1	1	11	31	609	4	
...	30	5	5	5	2	2	2	11	32	1	79	405	2	1	3	4	...	5	1	1	...	1	1	1	1	3	24	429	5	
...	3	4	4	4	2	2	2	5	5	1	6	137	1	1	1	3	...	1	1	1	17	1	1	1	1	4	30	167	6	
...	8	7	7	7	2	2	2	10	7	1	18	256	2	2	1	1	...	4	1	1	...	1	2	2	15	31	287	7		
...	1	1	1	1	1	1	1	1	1	1	32	32	2	2	1	1	...	1	1	1	...	1	1	1	2	2	34	8		
...	200	65	64	13	2	14	6	92	155	1	538	2,954	16	3	24	27	...	33	7	7	57	2	4	5	14	7	99	305	3,259	
...	40	12	12	12	2	5	26	17	19	283	551	3	3	3	3	3	...	6	1	2	41	1	1	1	4	33	95	646	1	
...	29	20	19	19	2	2	10	14	10	29	400	2	1	4	4	4	...	1	1	1	3	1	1	2	2	19	46	446	2	
...	10	18	18	18	5	2	10	10	10	36	234	2	1	1	3	1	...	4	1	1	1	1	1	1	4	23	257	3		
...	79	50	31	5	2	8	21	50	27	26	348	1,185	7	4	8	10	1	10	2	5	45	1	1	3	5	6	56	164	1,349	
...	20	1	14	1	2	1	2	6	8	1	91	1	1	1	1	2	1	1	1	1	1	1	1	2	3	12	103	1		
...	2	22	1	2	1	6	8	1	183	1	3	1	1	3	1	1	...	1	1	1	1	1	1	1	1	9	192	1		
...	86	4	8	8	2	2	1	4	10	41	274	1	2	2	3	3	...	3	1	2	15	1	1	1	5	18	55	329	1	
...	17	9	9	9	1	1	2	10	14	21	207	2	1	1	3	3	...	4	1	1	12	1	1	1	3	9	39	246	2	
...	41	12	15	15	1	3	2	32	15	31	549	3	1	2	3	3	...	3	1	2	1	1	2	4	19	42	591	3		
...	2	10	10	10	2	8	5	3	3	13	49	1	1	1	1	1	...	1	1	1	...	1	1	2	6	55	4	55	4	
...	64	5	5	5	1	1	1	1	1	79	123	1	1	1	3	3	...	1	1	1	...	1	1	1	2	7	86	6		
...	1	2	2	2	1	1	1	1	1	41	79	1	1	1	1	1	...	1	1	1	...	1	1	1	1	4	45	7		
...	1	1	1	1	1	1	1	1	1	33	41	1	1	1	1	1	...	1	1	1	...	1	1	1	1	4	45	7		
...	191	36	50	50	1	2	1	7	4	56	49	5	106	1,368	11	4	6	17	12	3	5	27	4	4	8	16	55	172	1,540	
...	14	10	10	10	3	1	11	12	42	174	3	2	4	3	3	3	...	6	1	1	6	1	2	1	3	14	47	221	1	
...	114	3	10	10	3	1	4	2	2	162	1	1	1	2	2	2	...	4	1	1	...	1	1	2	2	12	26	188	2	
...	114	17	20	20	3	1	15	14	44	336	4	3	4	5	5	10	2	1	6	2	2	3	5	26	73	409				
...	4	9	4	8	1	1	11	9	7	113	1	2	3	3	2	1	2	2	1	1	20	1	1	1	1	8	41	154	1	
...	204	18	14	14	1	2	6	7	283	2	1	3	2	2	3	3	...	2	1	2	9	1	1	1	2	25	308			
...	204	22	23	18	1	10	2	17	16	7	396	3	1	2	6	4	2	3	29	2	2	1	2	3	8	66	462			

TABLE 11—

Number	Name of operator	Postoffice of mine	Underground								
			Brattice Men	Cagers	Drivers	Boss Drivers	Electricians and Helpers	Mechanical Loading Machine Operators	Mine Examiners	Mine Mgrs. and Assistants	Machine Miners
ST. CLAIR COUNTY—EIGHTH DISTRICT											
1	United Electric Coal Co., No. 13.....	Freeburg.....									
2	St. Louis & O'Fallon Coal Co., No. 2.....	E. St. Louis.....	1	2	12	1	5	2	6	262	
3	Alcoa Ore Co.....	Belleville.....		1	12		2	4	2	7	38
4	Perry Coal Co., St. Ellen.....	O'Fallon.....		2	14		4	4	1	6	15
5	Southern C. C. & Mining Co., No. 7.....	Belleville.....	2	2	11		3	11	1	3	
6	Perry Coal Co., Taylor.....	O'Fallon.....		1	10		1	1	2	61	
7	Gundlach Coal Co.....	E. St. Louis.....			9		2	7	1	2	27
8	Perry Coal Co., Carbon.....	O'Fallon.....		1	4				1	1	36
9	Mulberry Hill Coal Co.....	Freeburg.....		1	6				1	1	
10	Vinegar Hill Coal Co.....	Lenzburg.....		2	4				1	1	32
11	Service Coal Co.....	Belleville.....		1	4				1	1	
12	Golden Rule Coal Co.....	Lenzburg.....		2	4				1	1	
13	Groom Coal Co.....	Belleville.....	1	2	7		1	1	1	1	52
14	Prairie Coal Co.....	Belleville.....		2	6		2	2	2	2	
15	Power Coal Co.....	Freeburg.....		2	4				1	1	
16	Lenzburg Coal Co.....	Lenzburg.....		1	2				1	1	
17	White Coal Co.....	Belleville.....		1	4		1	1	1	1	40
18	Guest Coal Co.....	Belleville.....		3	4		1	1	2	52	
19	New National C. & M. Co.....	Belleville.....		1	2				1	1	16
20	Quality Coal Mining Co.....	Belleville.....		2	5				1	1	
21	Jones Bros. C. M. Co., No. 1.....	Marissa.....		1	6				1	1	
22	Kolb Coal Co., No. 2.....	Mascoutah.....		1	6				1	1	
23	Eldnar Coal Co.....	Belleville.....		2	1				1	1	
24	Enterprise C. & M. Co.....	Belleville.....		1	2		1	1	1	1	18
25	Summit Coal Co.....	Belleville.....		2	2				1	1	
26	Okay Coal & Mining Co.....	Marissa.....		1	4		1	1	1	1	
Total.....			4	37	145	1	24	26	27	47	649
JACKSON COUNTY—NINTH DISTRICT											
1	Union Colliery Co.....	Dowell.....	5	1			28	40	6	15	129
2	Truax-Traer Coal Co., No. 2.....	Elkville.....									
3	Truax-Traer Coal Co., No. 1.....	Elkville.....									
Total.....			5	1			28	40	6	15	129
PERRY COUNTY—NINTH DISTRICT											
1	Pyramid Coal Corp.....	Pinckneyville.....									
2	United Elec. Coal Co., No. 11.....	Duquoin.....									
3	Crerar Clinch Coal Co., No. 14.....	Duquoin.....	1	2	7		8		3	6	395
4	Crerar Clinch Coal Co., No. 15.....	Duquoin.....									
5	Perfection Coal Co.....	Duquoin.....									
6	Brewerton Coal Co., No. 45.....	Pinckneyville.....		1	7		1		1	1	
7	Coal Stripping Co.....	Pinckneyville.....									
8	Wilson Coal & Mining Co.....	Cutler.....		2	5		1	1	1	2	18
9	Perry Coal Co., Perco.....	Coulterville.....	1	2	18		2	2	1	5	60
10	Egyptian Coal Co.....	Swanwick.....		1	5				1	2	47
11	Bailey Bros.....	Duquoin.....			2					1	8
12	Tamaroa Coal Co.....	Tamaroa.....		1	1				1	1	
Total.....			2	9	45		12	3	8	18	528

Continued

Underground													On surface													Total—All Employees					
Pick Miners	Motormen and Assistants	Machine Helpers	Machine Runners	Pumpmen and Pipemen	Shot Firers	Shot Firers' Runners	Spraggers	Stablemen	Timbermen	Trackmen	Trappers	All Others Underground	Total Underground	Blacksmith	Blacksmith Helpers	Carpenters	Engineers	Firemen	Top Foremen	Machinists and Helpers	Picking Table Workers	Superintendents	Stablemen—top	Watchmen	Weighmen	Office Employees at Mine	Others on Surface	Total on Surface	Total—All Employees	Number	
	14		21		13	2	1	2	15	3	12	361	2	1	3	3	3	1	1	15	9	1	1	1	2	16	39	56	56	1	
30	5	6	6	1	2	1	1	1	10	3	33	145	1	1	2	2	1	1	1	1	1	1	1	1	1	3	6	31	176	2	
	4	5	5	1	6	2	2	1	10	10	29	111	2	2	2	3	3	1	1	1	16	1	1	1	2	8	36	147	4		
	2	4	5	5	2	2	2	1	11	6	11	90	1	1	1	1	1	1	1	1	26	1	1	1	1	4	39	129	5		
	4	5	5	1	2	2	1	1	3	4	3	103	1	1	1	1	1	2	1	1	10	12	1	1	1	5	20	105	7		
37	1	1	1	1	10	1	1	1	6	5	1	85	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	62	8	
72	2	1	1	1	7	1	1	1	2	2	2	52	1	1	1	1	1	1	1	1	1	1	1	1	1	2	8	79	9		
7	2	1	1	1	4	1	1	1	1	1	1	88	1	1	1	1	1	1	1	1	1	1	1	1	1	3	9	59	10		
90	2	1	1	1	7	1	1	2	2	2	2	56	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	7	97	11	
47	1	1	1	1	4	1	1	1	1	1	1	78	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	14	92	13	
42	1	1	1	1	2	2	2	1	6	6	6	114	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	122	14	
	1	1	1	1	2	2	2	1	1	1	1	59	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	65	15		
	1	4	4	2	2	2	2	1	1	2	2	56	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	12	68	17	
50	1	2	2	1	2	2	2	1	1	1	1	74	1	1	1	1	1	1	1	1	1	1	1	1	1	2	10	84	18		
54	1	1	1	1	2	2	2	1	1	1	1	29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	35	19	
90	1	1	1	1	2	2	2	1	2	2	2	68	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	70	20	
12	1	2	2	2	3	3	1	1	1	1	2	107	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	6	113	22	
15	1	2	2	2	3	3	1	1	1	1	2	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	21	23	
71	2	4	4	1	1	1	1	1	1	1	1	36	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	42	24		
					4	4					2	23	87	1	1	2	2	1	1	2	2	2	1	1	1	1	3	26	25		
												1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	99	26		
617	52	29	51	5	81	11	7	45	85	6	133	2,082	24	5	37	4	19	8	2	95	10	11	20	25	120	380	2,462	524	1		
	63	20	20	4	5	5	13	36	8	29	422	2	2	5	1	3	2	5	1	3	2	54	1	1	1	6	18	102	524	1	
												1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	105	105	105	2	
	63	20	20	4	5	5	13	36	8	29	422	4	3	5	1	3	4	10	112	3	1	3	3	13	167	332	754	105	2		
25	20	17	17	1	4	3	1	3	7		15	535	3	1	4	5	1	4	1	2	13	1	1	1	1	3	146	200	200	1	
													2	1	1	8	1	2	3	1	1	1	1	1	1	4	170	170	170	2	
112	2			2		1	1	1	3	1		134	1	1	2	1	7	4	4	1	1	1	1	1	1	1	1	51	71	71	3
													1	1	1	1	1	1	1	1	1	1	1	1	1	1	32	50	50	5	
43	1	3	3	3	2	2	1	1	2	4	3	92	1	1	1	1	1	1	1	1	1	1	1	1	1	2	50	76	76	6	
14	4	6	6	2	2	2	1	1	7	7	1	8	150	1	1	1	1	1	1	1	1	1	1	1	1	1	5	32	182	9	
83	2	4	4	2	2	2	1	1	1	4		160	1	1	1	1	1	1	1	1	2	1	1	1	1	2	4	17	177	10	
												13	16	1	1	1	1	1	1	1	1	1	1	1	1	1	2	15	11	11	
12														1	1	1	1	1	1	1	1	1	1	1	1	1	2	18	12	12	
289	29	30	32	1	13	2	7	4	14	25	2	27	1,100	13	5	5	19	41	22	9	7	59	8	5	7	14	498	712	1,812		

TABLE 11—

Number	Name of operator	Postoffice of mine	Underground								
			Brattice Men	Cagers	Drivers	Boss Drivers	Electricians and Helpers	Mechanical Loading Machine Operators	Mine Examiners	Mine Mgrs. and Assistants	Machine Miners
RANDOLPH COUNTY—NINTH DISTRICT											
1	Moffat Coal Co.	Sparta	1	2	30		8	6	1	10	143
2	St. Louis Coal Co.	Coulterville	1	2	11		1	1	1	1	157
3	Jones Bros. C. M. Co., No. 2	Marissa		1	4		1		1	1	.....
Total			2	5	45		10	6	3	11	300
WASHINGTON COUNTY—NINTH DISTRICT											
1	Centralia Coal Co.	Centralia	1	1			13	12	1	9	40
2	Clarkson C. & M. Co.	Nashville		1	8		1	1	1	1	59
Total			1	2	8		14	13	2	10	99
FRANKLIN COUNTY—TENTH DISTRICT											
1	C. W. & F. Coal Co., "N. Orient"	W. Frankfort	8	2			60	62	15	37	256
2	Bell & Zoller C. & M. Co., No. 1	Zeigler	4	2			38	19	8	24	128
3	Old Ben Coal Corp., No. 8	W. Frankfort		3			18	14	6	17	224
4	Old Ben Coal Corp., No. 15	Ezra	1	3			13		3	14	281
5	Bell & Zoller C. & M. Co., No. 2	Zeigler	8	2			16		11	9	638
6	Old Ben Coal Corp., No. 14	Buckner		2			15		4	18	343
7	Valier Coal Co.	Valier	6	2			28	14	8	18	113
8	Peabody Coal Co., No. 19	W. Frankfort	3	2	38		6		6	4	415
9	Franklin Co. Coal Co., No. 7	Royalton	3	2			11	8	6	13	68
10	C. W. & F. Coal Co., No. 1	Orient	3	3		2	6	22	7	14	205
11	Franklin Co. Coal Co., No. 5	Herrin		2	37		7		4	8	365
12	Peabody Coal Co., No. 18	W. Frankfort	3	1			18	18	7	13	64
13	Brewerton Coal Corp., No. 21	W. Frankfort	2	2	1	1	10	8	2	8	107
14	Brewerton Coal Co., No. 22	Sesser	2	2			8	7	2	6	72
15	Old Ben Coal Corp., No. 11	W. Frankfort		3			8		7	9	405
Total			43	33	76	3	262	172	96	212	3,684
SALINE COUNTY—ELEVENTH DISTRICT											
1	Peabody Coal Co., No. 47	Harco	6	1			11		7	8	630
2	O'Gara Coal Co., No. 1	Harrisburg	3	2	17		4		6	6	424
3	Wasson Coal Co., No. 1	Harrisburg	6	2	20		4	4	4	7	347
4	Peabody Coal Co., No. 43	Harrisburg	4	1	1		21	12	5	10	3
5	O'Gara Coal Co., No. 3	Harrisburg	2	1			3	2	2	9	98
6	O'Gara Coal Co., No. 10	Eldorado	4	3	14		4		4	7	163
7	Rex Coal Co.	Eldorado	1	1			8	2	2	7	90
8	Blue Bird Coal Co.	Carrier Mills		1	2		2	3	1	2	17
9	Wasson Coal Co., No. 2	Harrisburg	2	3			3	8	1	5	...
10	O'Gara Coal Co., No. 12	Harrisburg	3	2	20		3		3	6	270
11	Harrisburg C. M. Co., No. 9	Harrisburg	1	1	4		1		1	1	.....
Total			32	18	78	...	64	31	36	68	2,042
WHITE COUNTY—ELEVENTH DISTRICT											
1	Fireband Fuel Co.	Norris City	1	1	5	...	1	...	1	1	65

Continued

Underground														On surface																		
Pick Miners	Motormen and Assistants	Machine Helpers	Machine Runners	Pumpmen and Pipemen	Shot Firers	Shot Firers' Runners	Spraggers	Stablenmen	Timberman	Trackmen	Trappers	All Others Underground	Total Underground	Blacksmith	Blacksmith Helpers	Carpenters	Hoisting	Engineers	Other	Firemen	Top Foremen	Machinists and Helpers	Picking Table Workers	Superintendents	Stablenmen—top	Watchmen	Weightmen	Office Employees at Mine	Others on Surface	Total on Surface	Total—All Employees	Number
....	12	16	16	2	2	3	2	8	18	2	33	315	1	1	2	2	2	3	3	1	1	35	...	1	2	3	21	75	390	1		
116	2	11	12	...	2	2	2	1	5	5	...	213	1	1	...	3	...	1	1	1	1	1	1	1	8	24	237	2		
116	2	2	1	...	3	...	134	1	2	1	1	1	...	1	7	141	3		
116	16	27	28	2	6	5	4	13	26	2	35	662	3	2	2	7	2	4	2	1	42	1	1	2	4	4	30	106	768			
....	34	8	8	1	...	8	12	2	10	100	2	1	2	1	2	5	1	1	17	1	1	...	1	3	8	46	206	1	
....	2	4	4	1	1	4	...	13	100	1	1	1	3	...	1	...	1	1	...	2	10	110	2		
....	36	12	12	1	...	9	16	2	23	260	3	1	3	4	2	6	1	1	18	1	1	1	2	3	10	56	316		
....	147	41	41	2	15	2	51	89	16	183	1,027	3	4	2	5	2	3	5	7	81	1	1	2	2	1	14	67	197	1,224	1		
....	96	30	31	2	28	3	33	56	9	155	666	4	2	1	4	2	4	1	15	35	1	1	1	1	1	7	43	119	785	2		
....	59	19	19	3	6	4	13	31	10	65	511	2	2	8	4	2	3	1	16	1	1	2	2	2	11	40	93	604	3			
....	44	14	15	...	5	2	14	22	4	20	455	2	1	4	4	...	3	1	3	15	1	1	2	2	10	36	84	539	4			
....	69	26	27	1	10	2	28	68	9	17	941	3	3	3	4	4	3	2	6	18	1	1	2	2	6	53	105	1,046	5			
....	52	28	29	1	6	8	12	43	5	50	616	2	2	4	4	2	1	4	19	1	2	2	2	2	3	48	94	710	6			
....	83	24	24	2	52	...	23	43	...	51	491	3	3	5	4	...	2	1	4	8	1	2	2	2	1	7	26	67	558	7		
....	6	24	24	1	5	4	16	16	12	46	628	1	1	3	3	...	4	1	1	21	1	1	1	3	5	18	64	692	8			
....	58	22	20	1	5	5	13	25	3	262	525	1	1	5	4	1	3	1	2	32	1	1	2	1	2	9	49	113	638	9		
....	48	18	18	2	8	10	22	36	6	275	705	2	2	9	4	6	2	4	32	1	3	1	3	1	9	136	212	917	10			
22	12	18	18	1	4	3	15	24	14	23	577	2	2	5	4	6	1	2	16	...	2	1	1	10	30	82	659	11				
....	55	19	19	1	6	30	34	36	5	33	365	2	2	4	3	3	1	2	56	1	1	1	4	12	92	457	12					
....	38	11	11	2	4	3	11	16	2	9	248	2	1	4	3	3	1	1	14	1	1	1	2	3	...	36	284	13				
52	29	9	10	2	2	3	5	23	...	7	241	1	1	4	3	3	1	...	8	1	1	2	2	...	27	268	14					
6	41	26	26	1	6	2	8	23	6	40	617	1	1	8	4	1	1	1	4	14	...	2	1	2	2	26	66	683	15			
80	837	329	332	22	162	30	54	298	551	101	1,236	8,613	31	28	69	57	8	44	21	56	385	11	8	24	23	102	584	1451	10,064			
....	51	18	18	2	6	7	7	20	7	65	864	3	2	7	3	...	5	1	2	7	1	2	7	1	1	4	23	59	923	1		
....	27	...	44	3	4	3	4	19	...	5	571	2	1	2	3	...	2	1	1	17	1	2	1	1	1	20	55	626	2			
....	25	16	26	1	4	4	1	5	18	4	24	522	3	...	3	1	4	1	10	...	...	...	1	1	1	16	44	566	3
....	72	40	35	3	6	2	22	37	6	280	560	2	2	6	3	...	2	1	3	50	1	1	1	1	5	16	94	654	4			
....	27	14	2	2	...	3	6	13	...	17	201	2	...	2	3	1	2	1	20	1	1	1	1	1	1	7	43	244	5			
....	15	14	1	8	...	4	2	6	19	7	275	2	...	4	3	3	1	1	12	1	1	1	1	1	1	3	33	308	6			
....	38	9	10	1	2	1	6	9	...	30	217	1	1	3	1	2	5	1	14	1	1	1	1	1	3	11	47	264	7			
....	1	...	2	1	...	...	2	2	1	2	39	1	1	1	1	...	1	2	9	1	...	...	1	1	2	43	65	104	8
....	15	4	5	3	8	3	8	7	...	22	97	1	...	4	...	1	3	1	19	...	...	...	1	1	1	11	42	139	9
....	14	20	1	4	...	2	1	15	10	...	375	2	1	2	3	2	1	1	12	1	1	1	1	1	1	11	40	415	10			
85	8	5	5	1	2	...	1	4	...	2	122	1	...	1	...	1	...	1	1	12	1	1	1	1	1	6	27	149	11			
85	293	140	149	29	32	29	4	68	163	28	454	3,843	20	8	34	24	6	28	11	13	182	9	6	10	10	21	167	549	4,392			
....	1	3	3	1	...	1	1	1	2	...	88	1	...	...	2	...	2	...	3	...	1	...	1	1	...	11	99	1		

TABLE 11—

Number	Name of operator	Postoffice of mine	Underground								
			Brattice Men	Cagers	Drivers	Boss Drivers	Electricians and Helpers	Mechanical Loading Machine Operators	Mine Examiners	Mine Mgrs. and Assistants	Machine Miners
WILLIAMSON COUNTY—TWELFTH DISTRICT											
1	Cartersville Herrin C. Co.	Herrin	2	2	19		4		1		182
2	Consolidated Coal Co., N. M.	Herrin	2	1			8	10	2	7	45
3	Madison Coal Corp., No. 12	Cambria	5	5	1	1	11		3	9	568
4	Peabody Coal Co., No. 25	Cartersville	1	2	19		4	75	1	3	45
5	Cosgrove Meehan C. Co., No. 1	Johnston City	2	2	1	1	7		3	5	136
6	St. Louis Coal & Iron Co., No. 2	Johnston City	1	1		1	4		3	3	50
7	Old Ben Coal Corp., No. 18	Johnston City		2			16		4	11	490
8	Wallace Coal Co.	Marion		1	4			2	1	1	16
9	Cosgrove Meehan C. Co., No. 3	Marion		3	1	3	1	7		3	12
10	C. W. & F. M. Co., "A"	Herrin	1	1			8	8	3	7	120
11	Carbon Fuel Co.	Marion		1	4			4	1	1	9
12	Freeman C. M. Co.	Herrin	1	2	18		3		1	3	205
13	City Lake Coal Co.	Herrin			4				1	1	
14	Coal Stripping Co.	Marion									
15	Skaggs Coal Co.	Herrin	1	1	6		1		1	1	81
16	Puritan Coal Co.	Johnston City							1	1	
17	Cartersville C. & M. Co.	Cartersville									
18	Ogmore Coal Co.	Cambria	1		1				1		
19	Spillertown Mining Co.	Marion				1				1	
20	McCluskey, Pendley & Wilkinson	Marion								1	
Total			20	22	80	5	73	99	30	67	2,092

Concluded

Underground													On surface																	Total—All Employees	
Pick Miners	Motormen and Assistants	Machine Helpers	Machine Runners	Pumpmen and Pipemen	Shot Firers	Shot Firers' Runners	Spraggers	Stablemen	Timbermen	Trackmen	Trappers	All Others Underground	Total Underground	Blacksmith	Blacksmith Helpers	Carpenters	Hoisting	Other	Firemen	Top Foremen	Machinists and Helpers	Picking Table Workers	Superintendents	Stablemen—top	Watchmen	Weighmen	Office Employees at Mine	Others on Surface	Total on Surface	Number	
45	8	12	12	2	3	1	1	6	10	8	2	11	320	1	1	6	3	3	3	1	1	36	1	1	1	1	4	19	42	362	1
...	38	12	12	2	4	...	...	10	18	1	150	324	4	1	8	3	3	3	3	1	2	3	1	1	1	3	42	106	430	2
...	40	28	28	9	6	...	...	30	27	5	39	817	2	2	5	3	3	3	3	1	4	36	1	1	1	3	31	58	875	3
...	18	6	8	8	14	...	...	2	9	9	5	3	235	1	1	1	3	3	4	1	1	9	1	1	1	3	10	34	269	4
...	30	23	4	4	5	...	...	1	7	6	3	34	263	2	1	4	3	3	4	1	2	11	1	1	1	1	18	50	313	5
...	10	8	8	1	1	...	...	1	1	1	...	112	2	1	1	2	2	4	1	1	4	1	1	1	1	2	5	18	130	6
...	46	13	12	2	6	...	...	12	33	3	5	58	713	1	1	3	4	3	1	2	17	3	1	1	2	2	21	57	770	7
...	...	2	2	1	1	...	...	1	1	1	...	33	33	1	2	1	1	1	1	1	1	1	1	1	1	1	...	6	39	8
...	31	8	8	2	2	...	...	13	15	1	2	24	296	1	2	3	3	3	4	1	1	17	1	1	1	1	19	55	351	9
...	24	1	1	1	1	...	...	10	13	1	...	57	283	1	1	4	2	2	4	1	2	9	1	1	1	4	32	67	350	10
...	1	1	1	1	1	...	...	1	1	1	...	1	26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	32	11
...	4	11	11	1	2	...	...	5	8	2	1	12	299	1	1	2	3	3	1	1	8	1	1	1	1	4	8	33	332	12
...	46	57	1	1	1	1	1	6	4	1	1	1	1	1	1	1	1	4	61	13
...	5	2	3	3	1	...	...	1	1	3	...	...	113	1	1	1	1	1	1	2	1	2	1	1	1	1	51	65	145	14
...	14	1	19	22	2	21	16	...
...	14	2	1	20	22	2	22	17	...
...	5	7	1	8	19	...
...	9	10	1	1	1	11	20	...
166	240	129	136	30	61	...	21	4	105	151	24	392	3,947	21	10	39	35	12	27	10	17	118	11	6	12	14	29	280	641	4,588	

MINE EMPLOYEES BY DISTRICTS

Underground					On surface																
Timbermen	Trackmen	Trappers	All others underground	Total underground	Blacksmith	Blacksmith helpers	Carpenters	Hoisting	Other	Firemen	Top foremen	Machinists and helpers	Picking table workers	Superintendents	Stablemen—top	Watchmen	Weighmen	Office employees at mine	Others on surface	Total on surface	Total—All employees
7	6	18	644	7	4	6	6	28	3	8	5	26	3	5	7	14	237	359	1,003		
18	42	2	32	1,550	8	5	8	2	5	6	2	4	5	4	8	10	28	95	1,645		
9	24	4	2	1,071	7	4	3	11	1	2	5	7	14	4	2	6	159	232	1,303		
194	246	38	750	6,857	29	12	22	55	10	23	18	11	230	18	5	14	27	65	269	809	7,666
128	118	19	239	2,519	9	8	4	14	6	10	5	3	16	2	1	2	7	18	214	319	2,838
144	184	27	886	4,230	24	8	32	38	3	44	9	12	102	3	5	8	20	15	158	481	4,711
77	71	6	150	1,887	16	7	10	25	23	5	6	34	7	6	12	22	81	254	2,141		
62	101	6	140	2,478	27	1	7	43	4	23	10	5	124	12	12	12	22	28	128	446	2,924
49	103	14	114	2,444	23	11	15	31	48	32	16	19	231	13	1	11	16	34	705	1,206	3,650
298	551	101	1,236	8,613	31	28	69	57	8	44	21	56	385	11	8	24	23	102	584	1,451	10,064
69	165	28	454	3,931	21	8	34	26	6	30	11	13	185	9	7	10	11	22	167	560	4,491
105	151	24	392	3,947	21	10	39	35	12	27	10	17	118	11	6	12	14	29	280	641	4,588
1,160	1,762	269	4,413	40,171	223	101	246	349	128	261	123	160	1,467	97	38	110	173	366	3,011	6,853	47,024

TABLE 13—OUTPUT OF SHIPPING MINES BY MONTHS—1926-1931

No.	Months	1926	1927	1928	1929	1930	1931
1	January...	7,028,104	8,249,724	5,873,311	7,001,027	6,560,159	4,910,869
2	February...	5,280,662	8,041,663	5,753,712	6,459,158	4,784,623	3,810,167
3	March.....	5,741,023	9,528,946	7,395,453	4,309,056	4,133,842	4,297,523
4	April.....	4,706,814	226,147	1,220,182	3,560,116	3,674,352	3,040,068
5	May.....	3,774,146	226,014	2,556,400	3,810,298	3,354,981	2,973,862
6	June.....	4,026,870	260,538	2,947,504	3,413,621	3,033,048	2,775,193
7	July.....	4,281,442	350,422	3,158,981	3,785,845	3,274,699	2,816,435
8	August....	4,819,411	691,351	3,816,097	4,398,106	3,716,651	3,336,309
9	September..	5,277,073	963,833	4,327,025	4,766,916	3,997,358	3,384,003
10	October....	6,501,154	4,649,119	5,931,799	5,716,839	5,251,276	4,059,961
11	November..	7,936,541	5,430,136	5,420,339	5,412,011	4,787,969	3,530,227
12	December..	8,463,201	6,308,540	5,883,381	6,443,002	5,427,650	4,138,441
	Total...	67,836,441	44,926,433	54,284,184	59,075,995	51,996,608	43,073,058

TABLE 14—NUMBER OF MINES OPERATED AND AVERAGE DAYS WORKED EACH MONTH—1926-1931.

No.	Month	1926		1927		1928		1929		1930		1931	
		Mines	Days	Mines	Days	Mines	Days	Mines	Days	Mines	Days	Mines	Days
1	January.....	206	19	221	21	181	18	184	21	171	20	158	16
2	February.....	205	15	219	20	178	16	184	19	166	14	148	13
3	March.....	189	17	218	22	176	20	183	14	157	13	139	16
4	April.....	171	16	22	12	90	12	149	13	142	13	134	11
5	May.....	157	13	19	14	106	14	145	14	134	12	121	12
6	June.....	155	13	24	16	116	14	143	13	128	12	118	12
7	July.....	134	17	30	16	127	15	144	14	140	12	114	12
8	August.....	169	15	58	18	131	17	157	15	143	13	121	13
9	September....	181	16	75	19	171	15	171	16	152	14	131	13
10	October.....	194	19	181	18	184	18	176	18	157	18	140	16
11	November....	223	20	185	17	186	17	178	17	162	16	143	14
12	December.....	231	21	186	19	187	18	176	20	165	17	147	16
	Total and average.....	244	155	241	112	206	150	200	162	185	145	167	130

TABLE 15—SHIPPING MINES—NUMBER OPERATED, TONS PRODUCED, AVERAGE DAYS WORKED, AND NUMBER EMPLOYED IN 1931 AND 1930, AND GAIN OR LOSS, BY COUNTIES

No.	County	1931				1930				Gain (+) Loss (-)			
		Mines Operated	Tons produced	Aver. Days Worked	Number employed	Mines Operated	Tons produced	Aver. Days Worked	Number employed	Mines	Tons	Days	Men
1	Bond.....	1	52,018	129	192	1	130,825	132	227	...	-78,807	-3	-35
2	Bureau.....	1	...	...	...	1	6,084	136	40	-1	-6,084	-136	-40
3	Christian.....	6	2,981,000	129	2,865	7	3,635,976	148	2,978	-1	-654,976	-19	-113
4	Clinton.....	2	183,507	88	462	3	364,767	89	639	-1	-181,260	-1	-177
5	Franklin.....	15	9,531,560	139	10,064	16	11,997,347	177	10,670	-1	-2,465,787	-38	-606
6	Fulton.....	7	1,229,481	121	1,003	7	1,474,002	184	1,019	...	-244,521	-63	-16
7	Gallatin.....	1	...	...	...	1	2,350	12	40	-1	-2,350	-12	-40
8	Grundy.....	1	...	...	...	1	73,046	57	282	-1	-73,046	-57	-282
9	Henry.....	2	696,554	207	185	2	442,322	220	184	...	+254,232	-13	+1
10	Jackson.....	3	1,892,008	158	754	3	2,003,806	168	716	...	-111,798	-10	+38
11	Knox.....	1	290,581	210	300	1	294,517	254	266	...	-3,936	-44	+34
12	La Salle.....	2	170,324	179	417	4	155,795	103	738	-2	+14,529	+76	-321
13	Logan.....	1	114,519	206	213	1	130,350	274	224	...	-15,831	-68	-11
14	Macon.....	1	82,274	144	255	1	99,671	166	275	...	-17,397	-22	-20
15	Macoupin.....	8	3,984,432	165	3,259	9	4,639,721	166	3,561	-1	-655,289	-1	-302
16	Madison.....	9	1,093,312	124	1,540	12	2,163,121	139	2,404	-3	-1,069,809	-15	-864
17	Marion.....	2	360,576	128	409	2	376,799	124	453	...	-16,223	+4	-44
18	Montgomery.....	3	1,255,432	161	1,349	3	1,599,246	196	1,363	...	-343,814	-35	-14
19	Peoria.....	4	1,030,832	157	1,143	5	775,067	125	1,182	-1	+255,765	+32	-39
20	Perry.....	12	2,973,148	120	1,812	12	3,297,842	160	2,088	...	-324,694	-40	-276
21	Putnam.....	1	13,387	56	201	...	...	...	...	+1	+13,387	+56	+201
22	Randolph.....	3	426,289	100	768	3	399,775	95	794	...	+26,514	+5	-26
23	Saline.....	11	2,957,019	112	4,392	12	3,655,452	129	4,246	-1	-698,433	-17	+146
24	Sangamon.....	12	3,218,458	137	4,588	14	3,577,046	132	5,371	-2	-358,588	+5	-783
25	Shelby.....	1	23,507	73	103	1	36,513	123	107	...	-13,006	-50	-4
26	St. Clair.....	26	2,430,146	134	2,462	27	2,142,740	120	2,614	-1	+287,406	+14	-152
27	Tazewell.....	2	251,344	188	247	3	337,662	167	405	-1	-86,318	+21	-158
28	Vermilion.....	6	2,316,847	133	2,583	7	2,668,583	155	2,715	-1	-351,736	-22	-132
29	Washington.....	2	378,850	172	316	2	522,324	213	317	...	-143,474	-41	-1
30	White.....	1	8,608	37	99	1	25,423	60	111	...	-16,815	-23	-12
31	Will.....	1	988,500	264	200	1	865,666	275	196	...	+122,834	-11	+4
32	Williamson.....	20	2,090,098	94	4,588	20	4,033,845	134	4,745	...	-1,943,747	-40	-157
33	Woodford.....	2	48,447	81	255	2	68,925	139	245	...	-20,478	-58	+10
Total.....		167	43,073,058	130	47,024	185	51,996,608	145	51,215	-18	-8,923,650	-15	-4,191

TABLE 16—RELATIVE RANK OF COUNTIES, PRODUCING 500,000 TONS OR MORE, 1931-1927

No.	County	1931		1930		1929		1928		1927	
		Rank	Tons	Rank	Tons	Rank	Tons	Rank	Tons	Rank	Tons
1	Franklin.....	1	9,531,560	1	11,997,347	1	14,819,448	1	14,078,932	1	10,360,881
2	Macoupin.....	2	3,992,552	2	4,646,527	3	5,075,087	3	4,639,228	3	3,306,496
3	Sangamon.....	3	3,352,211	4	3,700,419	4	4,275,675	4	3,739,423	5	3,119,517
4	Perry.....	4	2,990,440	7	3,309,648	8	2,940,513	10	2,237,661	10	1,641,691
5	Christian.....	5	2,987,378	6	3,635,976	6	3,655,022	6	3,604,472	8	2,707,681
6	Saline.....	6	2,973,465	5	3,670,144	5	4,132,043	5	3,671,157	4	3,173,201
7	St. Clair.....	7	2,778,643	9	2,447,784	9	2,803,441	8	2,955,266	6	3,083,070
8	Vermilion.....	8	2,540,023	8	2,930,924	7	3,053,187	7	3,353,548	7	2,741,682
9	Williamson.....	9	2,165,819	3	4,107,573	2	5,274,804	2	5,181,894	2	5,041,593
10	Jackson.....	10	1,938,141	11	2,054,836	14	1,576,752	14	904,194	13	1,007,299
11	Fulton.....	11	1,398,993	12	1,634,772	12	1,729,145	11	1,708,405	11	1,633,925
12	Montgomery.....	12	1,255,432	13	1,599,246	11	1,866,886	13	1,411,345	12	1,034,245
13	Peoria.....	13	1,214,567	14	967,745	13	1,636,697	12	1,505,782	14	945,495
14	Madison.....	14	1,157,124	10	2,229,592	10	2,749,319	9	2,274,787	9	2,261,549
15	Will.....	15	988,500	15	865,666	15	701,280	21	234,920	22	17,672
16	Henry.....	16	775,956	17	504,761	22	86,263	22	34,269	21	85,625
17	Randolph.....	17	469,188	18	443,193	16	564,984	15	638,584	16	662,559
18	Washington.....	18	384,350	16	531,304	20	525,632	19	501,932	20	302,636
19	Marion.....	19	360,576	20	376,799	19	537,703	17	550,177	15	755,032
20	Tazewell.....	20	343,221	19	437,791	21	509,480	16	577,262	19	435,454
21	LaSalle.....	21	316,035	22	326,341	17	548,257	20	418,298	18	444,253
22	Clinton.....	22	183,507	21	364,767	18	542,843	18	508,112	17	583,079

TABLE 17—GRADED OUTPUT OF SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE

District	Graded Output of Mines in Tons										Total
	Lump	Furnace	Small Egg	Stove	Chestnut	Pea Coal	Carbon	Screenings	Mine Run	Waste and loss in preparing	
First.....	161,500	381,472	168,809	44,980	8,826	.....	60,437	692,490	197,188	152,973	1,868,765
Second.....	156,064	151,545	.....	.....	.....	.....	.....	200,506	820,859	1,649	1,330,623
Third.....	213,738	535,770	98,826	40,854	.....	.....	.....	421,018	191,186	18,670	1,520,062
Fourth.....	1,057,357	1,064,808	440,462	63,487	34,503	44,635	8,024	2,170,684	1,323,897	106,120	6,313,977
Fifth.....	232,144	532,379	150,080	4,786	.....	.....	.....	765,750	703,500	10,482	2,399,121
Sixth.....	2,891,554	550,389	111,713	12,076	6,382	2,481	157	1,408,319	255,525	24,775	5,263,371
Seventh.....	355,151	233,090	80,558	120,174	15,894	142	127	504,236	178,430	18,104	1,505,906
Eighth.....	727,458	487,968	24,732	97,576	.....	1,295	3,834	808,249	430,389	32,152	2,613,653
Ninth.....	534,887	674,242	409,231	249,363	46,816	33,588	62,952	1,355,526	2,232,483	71,207	5,670,295
Tenth.....	1,185,120	1,582,566	1,027,943	435,418	444,398	265,418	713,469	3,267,548	394,891	214,789	9,531,560
Eleventh.....	355,136	567,499	353,581	170,734	143,267	44,214	100,306	1,022,489	155,235	53,166	2,965,627
Twelfth.....	220,795	208,542	198,191	123,827	19,268	25,513	44,159	566,696	652,910	30,197	2,090,098
Total.....	8,090,994	6,970,270	3,064,126	1,363,275	719,354	417,286	993,465	13,183,511	7,536,493	734,284	43,073,058
Local mines.....	.....	.....	.....	.....	.....	.....	.....	.....	2,079,565	.....	2,079,565
All mines.....	8,090,994	6,970,270	3,064,126	1,363,275	719,354	417,286	993,465	13,183,511	9,616,058	734,284	45,152,623

TABLE 18—DISPOSITION OF OUTPUT OF SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE

District	Disposition of Output—Tons										Per cent of tonnage handled—	
	Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco- motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste	Tons handled by railroads	Tons disposed of locally	By		
										railroads	Locally	
First.....	1,868,765	1,117,709	452,253	150	139,762	5,671	153,220	1,570,112	298,653	84.1	15.9	
Second.....	1,330,623	268,752	961,543	.....	91,708	4,081	4,539	1,230,295	100,328	92.5	7.5
Thrd.....	1,520,062	656,140	800,817	.....	40,328	4,107	18,670	1,456,957	63,105	95.8	4.2
Fourth.....	6,313,977	4,553,821	1,154,967	42,953	383,534	67,087	111,615	5,751,741	562,236	91.1	8.9	
Fifth.....	2,399,121	1,541,219	721,462	908	102,681	18,075	14,776	2,263,589	135,532	94.3	5.7	
Sixth.....	5,263,371	1,482,330	3,534,455	5,155	86,855	132,470	22,106	5,021,940	241,431	95.4	4.6	
Seventh.....	1,505,906	986,062	285,997	.....	143,913	73,154	16,780	1,272,059	233,847	84.5	15.5
Eighth.....	2,613,653	1,512,985	515,688	40,672	444,085	71,072	29,151	2,069,345	544,308	79.2	20.8	
Ninth.....	5,670,295	3,184,073	2,235,282	71,869	50,501	57,613	70,957	5,491,224	179,071	96.8	3.2	
Tenth.....	9,531,560	7,182,652	1,848,335	.....	38,840	99,511	362,222	9,030,987	500,573	94.7	5.3
Eleventh.....	2,965,627	2,369,632	426,065	.....	64,005	52,758	53,167	2,795,697	169,930	94.3	5.7
Twelfth.....	2,090,098	1,334,149	652,698	.....	31,969	48,498	22,784	1,986,847	103,251	95.1	4.9
Shipping mines.....	43,073,058	26,189,524	13,589,562	161,707	1,618,181	634,097	879,987	39,940,793	3,132,265	92.7	7.3	
Local mines.....	2,079,565	.....	.....	.....	1,944,344	133,751	1,470	.....	2,079,565	.....	100.0
The State.....	45,152,623	.....	.....	.....	3,562,525	767,848	881,457	39,940,793	5,211,830	88.4	11.6

TABLE 19—MINES SERVED BY RAILROADS AND THE INITIALS OF ROADS SERVING—ARRANGED BY COUNTIES AND DISTRICTS.

Operators	Railroads	Tons shipped	Tons sold to railroad companies	Tons supplied to locomotives at the mines	Total tons handled by railroads
HENRY COUNTY		329,133	195,518		524,651
Midland Electric Coal Co.....	C. R. I. & P.....	309,040	186,095		495,135
Shuler Coal Co.....	C. B. & Q.....	20,093	9,423		29,516
LA SALLE COUNTY		88,183	2,656		90,839
Union Coal Co.....	C. B. & Q.....		2,656		2,656
	C. R. I. & P.....	57,442			57,442
Illinois Zinc Co.....	P. L. S. & D. P.....	24,343			24,343
	C. R. I. & P.....	6,398			6,398
PUTNAM COUNTY		7,993		150	8,143
Prairie State Coal Co.....	R. I. & N.....	4,106		150	4,256
	C. M. & St. P.....	2,707			2,707
	N. Y. C.....	1,180			1,180
WILL COUNTY		692,400	254,079		946,479
Northern Illinois Coal Corp.....	C. & A.....	692,400	690,044		761,444
	A. T. & S. F.....		172,076		172,076
	Belt Ry.....		12,959		12,959
Totals First District		1,117,709	452,253	150	1,570,112
PEORIA COUNTY		111,818	909,931		1,021,749
Crescent Mining Co., No. 6.....	P. Ter.....	39,106	470,571		509,677
Crescent Mining Co., No. 1.....	P. Ter.....	10,355	299,857		310,212
Dorthel Coal Co., No. 1.....	M. & St. L.....	37,784	126,243		164,027
Central West Coal Co.....	C. B. & Q.....	24,573	13,260		37,833
TAZEWELL COUNTY		135,819	51,612		187,431
Lake Erie Mining Co.....	P. & P. U.....	118,354	51,612		169,966
Ubben Coal Co.....	C. C. C. & St. L.....	17,465			17,465
WOODFORD COUNTY		21,115			21,115
W. G. Sutton.....	I. C.....	16,646			16,646
	A. T. & S. F.....	157			157
Roanoke Coal & Tile Co., No. 1.....	A. T. & S. F.....	4,312			4,312
Totals Second District		268,752	961,543		1,230,295
FULTON COUNTY		634,524	560,299		1,194,823
United Electric Coal Co., No. 9.....	C. B. & Q.....	228,154	126,781		354,935
	M. & St. L.....		18,446		18,446
Truax Traer Coal Co.....	C. B. & Q.....	229,392	90,157		319,549
	M. & St. L.....		56,153		56,153
Canton Coal Co.....	C. B. & Q.....	84,682	186,012		270,694
Dorthel Coal Co., No. 2.....	M. & St. L.....	49,032	72,350		121,382
Illinois Colliery Co.....	C. B. & Q.....	13,827	10,400		24,227
Dorthel Coal Co., No. 3.....	M. & St. L.....	24,437			24,437
Rawalt Coal Co.....	T. P. & W.....	5,000			5,000
KNOX COUNTY		21,616	240,518		262,134
Galesburg Mining Co.....	A. T. & S. F.....	21,616	240,518		262,134
Totals Third District		656,140	800,817		1,456,957

TABLE 19—Continued

Operators	Railroads	Tons shipped	Tons sold to railroad companies	Tons supplied to locomotives at the mines	Total tons handled by railroads
CHRISTIAN COUNTY.....		2,392,360	352,694	23,237	2,768,291
Peabody Coal Co., No. 8.....	C. & I. M.....	770,889	17,614		788,503
Peabody Coal Co., No. 7.....	C. & I. M.....	687,206	18,846		706,052
Peabody Coal Co., No. 9.....	C. & I. M.....	676,779	19,680		696,459
Peabody Coal Co., No. 58.....	C. & I. M.....	114,465	271,909		386,374
	Wabash.....	27,021			27,021
Pana Coal Co., No. 1.....	1. C.....	46,321	20,337	23,237	89,895
	B. & O.....	1,766			1,766
	C. C. C. & St. L.....	1,094			1,094
	C. & E. I.....	1,202			1,202
Penwell C. M. Co.....	1. C.....	60,811	4,308		65,119
	C. C. C. & St. L.....	1,062			1,062
	B. & O.....	3,744			3,744
LOGAN COUNTY.....		30,363	4,072	17,400	51,835
Brewerton Coal Co., No. 92.....	1. C.....	21,580	4,072	17,400	43,052
	C. & A.....	8,783			8,783
SANGAMON COUNTY.....		2,131,098	798,201	2,316	2,931,615
Peabody Coal Co., No. 59.....	Spg. Ter.....	490,453			490,453
Panther Creek Mines, No. 1.....	C. & A.....	225,130	207,795		432,925
Peabody Coal Co., No. 57.....	1. C.....	199,295	38,571		237,866
	B. & O.....	4,914	37,905		42,819
	1. T. S.....	99,349			99,349
Mine "B" Coal Co.....	C. & A.....	91,234	46,482		137,716
	Wabash.....	59,566	38,100		97,666
	C. S. & St. L.....	49,077	7,679		56,756
Peabody Coal Co., No. 52.....	Wabash.....	102,126	171,336		273,462
Peabody Coal Co., No. 51.....	C. & I. M.....	252,856	5,078		257,934
Peabody Coal Co., No. 53.....	Wabash.....	51,603	86,061		137,664
	C. & A.....	2,068	21,161		23,229
	B. & O.....	312			312
	C. & I. M.....	56,555			56,555
	1. C.....	659			659
	Ill. Ter.....	1,694			1,694
Central Illinois Coal Mining Co.....	C. S. & St. L.....	165,876	51,799		217,675
Sangamon Coal Co., No. 2.....	C. & A.....	51,626	19,177		70,803
	1. C.....	47,852	28,070		75,922
	Wabash.....	10,067	8,331		18,398
	1. T. S.....	3,776			3,776
	C. & I. M.....	2,517			2,517
Panther Creek Mines, No. 4.....	C. & A.....	75,680	12,644	2,316	90,640
	Wabash.....	13,627	5,699		19,326
	B. & O.....	9,847			9,847
	1. C.....	11,610			11,610
	C. S. & St. L.....	2,555			2,555
	1. T. S.....	3,377			3,377
	C. & I. M.....	3,643			3,643
Panther Creek Mines, No. 5.....	C. & A.....	20,534	11,262		31,796
	Wabash.....	1,663			1,663
	C. & I. M.....	568			568
	1. C.....	1,043			1,043
	B. & O.....	396			396
	C. S. & St. L.....	85			85
	Ill. Ter.....	42			42
Panther Creek Mines, No. 3.....	C. & A.....	10,932	858		11,790
	Wabash.....	2,742	193		2,935
	1. C.....	849			849
	B. & O.....	1,928			1,928
	C. & I. M.....	475			475
	C. S. & St. L.....	460			460
	1. T. S.....	437			437
Totals Fourth District.....		4,553,821	1,154,967	42,953	5,751,741

TABLE 19—Continued

Operators	Railroads	Tons shipped	Tons sold to railroad companies	Tons supplied to locomotives at the mines	Total tons handled by railroads
MACON COUNTY.....		3,786			3,786
Macon County Coal Co.....	I. C.....	3,786			3,786
VERMILION COUNTY.....		1,537,433	721,462	908	2,259,803
United States Fuel Co., "Bun.".....	C. & E. I.....	537,744	188,616		726,360
Peabody Coal Co., No. 24.....	C. C. C. & St. L.....	38,702	281,809		320,511
	C. & E. I.....	311,942			311,942
United States Fuel Co., "Verm.".....	E. J. E.....	451,937	133,720	908	586,565
United Electric Coal Co., No. 1.....	P. & E.....	57,962	115,558		173,520
	I. T. S.....	132,185	1,759		133,944
Tilton Mining Co.....	Wabash.....	3,502			3,502
United Electric Coal Co., No. 14.....	I. T. S.....	3,459			3,459
Totals Fifth District.....		1,541,219	721,462	908	2,263,589
MACOUPIN COUNTY.....		951,884	2,862,953	5,155	3,819,992
Consolidated Coal Co., No. 15.....	Wabash.....	611,278	308,316		919,594
	Belt Line.....		17,681		17,681
	C. & W. I.....		7,723		7,723
	I. C.....		1,058		1,058
	M. K. T.....		189		189
	Ill. Term.....		561		561
	A. & S.....		277		277
Superior Coal Co., No. 4.....	C. & N. W.....		704,080		704,080
Superior Coal Co., No. 3.....	C. & N. W.....		673,044		673,044
Superior Coal Co., No. 2.....	C. & N. W.....		573,294		573,294
Superior Coal Co., No. 1.....	C. & N. W.....		481,599		481,599
Gillespie Coal Co.....	I. T. S.....	339,356			339,356
Madison Coal Corp., No. 5.....	I. C.....		95,131	5,155	100,286
South Mine Coal Co.....	I. T. S.....	1,250			1,250
MONTGOMERY COUNTY.....		527,492	671,502		1,198,994
Ind. & Ill. Coal Co., No. 10.....	C. & E. I.....	32,291	89,356		121,647
	C. C. C. & St. L.....	215,157	275,277		490,434
Cosgrove Meehan Coal Co., No. 5.....	St. L. T. & W.....	171,194	219,591		390,785
Hillsboro Coal Co.....	C. & E. I.....	7,003	1,939		8,942
	C. C. C. & St. L.....	101,847	85,339		187,186
SHELBY COUNTY.....		2,954			2,954
Moweaqua Coal Corp.....	I. C.....	2,954			2,954
Totals Sixth District.....		1,482,330	3,534,455	5,155	5,021,940
BOND COUNTY.....		30,593	7,560		38,153
Pocahontas Mining Co.....	Penn.....	30,593	7,560		38,153
MADISON COUNTY.....		713,576	228,184		941,760
Mt. Olive & Staunton Coal Co., No. 2.....	L. & M.....	421,994			421,994
Lumaghi Coal Co., No. 2.....	Penn.....	219,070	87,753		306,823
Madison Coal Corp., No. 2.....	I. C.....		140,431		140,431
Collinsville Coal Corp.....	I. T. S.....	6,700			6,700
Troy Mining Co.....	I. T. S.....	40,118			40,118
Bullock Mining Co.....	C. C. C. & St. L.....	19,000			19,000
Henrietta Coal Co., "Hen.".....	L. & M.....	1,595			1,595
Henrietta Coal Co., "H. T.".....	Ill. Term.....	2,624			2,624
Carlin Coal Co.....	C. C. C. & St. L.....	2,475			2,475
MARION COUNTY.....		241,893	50,253		292,146
Marion Co. Coal Co.....	I. C.....	76,119	9,887		86,006
	C. B. & Q.....	140,334	29,864		170,198
Odin Coal Co.....	I. C.....	21,502	10,502		32,004
	B. & O.....	3,938			3,938
Totals Seventh District.....		986,062	285,997		1,272,059

TABLE 19—Continued

Operators	Railroads	Tons shipped	Tons sold to railroad companies	Tons supplied to locomotives at the mines	Total tons handled by railroads
CLINTON COUNTY					
Breese Trenton Mining Co., "N. B."	B. & O.	102,413	9,927	6,741	119,081
Southern Coal, Coke & Mining Co., No. 9	Southern	28,942			28,942
ST. CLAIR COUNTY		1,381,630	505,761	33,931	1,921,322
United Electric Coal Co., No. 13	I. C.	188,079	168,995		357,074
St. Louis & O'Fallon Coal Co., No. 2	St. L. & O'F.	209,151	8,599	1,306	219,056
Alcoa Ore Co.	St. L. & O'F.	252,787	17,771		270,558
Perry Coal Co., "St. Ellen"	I. C.	250			250
Southern Coal, Coke & Mining Co., No. 7	Ill. Term.	118,012	32,640		150,652
Gundlach Coal Co., "Taylor"	Southern	80,250	60,722		140,972
Perry Coal Co., "Carbon"	B. & O.	39,204	98,760		137,964
Mulberry Hill Coal Co.	Caseyville	37,487	64,832	1,588	103,907
	B. & O.	66,742	16,858		83,600
	I. C.	73,247	9,497		82,744
	Frisco		2,531		2,531
	A. & S.		1,622		1,622
	M. K. & T.		1,617		1,617
	Ill. Term.		331		331
	C. G. & W.		6,838		6,838
Vinegar Hill Coal Co.	I. C.	78,557			78,557
Service Coal Co.	L. & N.	4,618			4,618
Golden Rule Coal Co.	I. C.	62,996	5,351		68,347
Groom Coal Co.	I. C.	14,566	8,797	31,037	54,400
Prairie Coal Co.	Ill. Term.	11,258			11,258
Power Coal Co.	I. C.	34,370			34,370
Lenzburg Coal Co.	I. C.	34,000			34,000
White Coal Co.	L. & N.	8,664			8,664
Guest Coal Co.	Southern	8,352			8,352
New National Coal & Mining Co.	I. C.	938			938
Quality Coal Mining Co.	St. L. & B. E.	3,426			3,426
Jones Bros. Coal Mining Co., No. 1	I. C.	17,481			17,481
Kolb Coal Co., No. 2	L. & N.	3,403			3,403
Eldnar Coal Co.	I. C.	15,100			15,100
Enterprise Coal & Mining Co.	L. & N.	7,523			7,523
Summit Coal Co.	L. & N.	6,876			6,876
Okay Coal & Mining Co.	I. C.	4,293			4,293
Totals Eighth District		1,512,985	515,688	40,672	2,069,345
JACKSON COUNTY					
Union Colliery Co.	I. C.	836,127	174,337		1,010,464
Truax Traer Coal Co., No. 2	I. C.	241,751	99,954		341,705
	M. P.	119,245	23,517		142,762
Truax Traer Coal Co., No. 1	I. C.	239,002	116,772		355,774
PERRY COUNTY		1,497,685	1,364,746	30,752	2,893,183
Pyramid Coal Co.	M. P.	406,567	472,398		878,965
	I. C.	66,400	254,925		321,325
United Electric Coal Co., No. 11	I. C.	206,163	102,791		308,954
	M. P.	220,761	260,929		481,690
Crerar Clinch Coal Co., No. 14	I. C.	356,487	1,925		358,412
Crerar Clinch Coal Co., No. 15	I. C.	83,022	149,551		232,573
Perfection Coal Co.	I. C.	49,755	13,382	21,752	84,889
Brewerton Coal Co., No. 45	I. C.	3,869	52,954	9,000	65,823
	M. P.	353			353
Coal Stripping Co.	M. P.	4,681	49,891		54,572
Wilson Coal & Mining Co.	M. P.	45,823			45,823
Perry Coal Co., "Perco"	I. C.	2,770			2,770
	M. I.	24,591	6,000		30,591
Egyptian Coal Co.	I. C.	19,223			19,223
Bailey Bros.	I. C.	5,750			5,750
Tamaroa Coal Co.	I. C.	1,470			1,470

TABLE 19—Continued

Operators	Railroads	Tons shipped	Tons sold to railroad companies	Tons supplied to locomotives at the mines	Total tons handled by railroads
RANDOLPH COUNTY.....		125,285	277,005		402,290
Moffat Coal Co.....	M. & O.....	19,731	257,505		277,236
St. Louis Coal Co.....	I. C.....	32,856	18,500		51,356
	M. & I.....	41,073			41,073
Jones Bros. Coal Mining Co., No. 2.....	I. C.....	31,625	1,000		32,625
WASHINGTON COUNTY.....		124,978	178,951	41,117	345,046
Centralia Coal Co., No. 5.....	I. C.....	70,576	163,648		234,224
	C. B. & Q.....	36,411			36,411
Clarkson Coal & Mining Co.....	L. & N.....	17,991	15,303	41,117	74,411
Totals Ninth District.....		3,184,073	2,235,282	71,869	5,491,224
FRANKLIN COUNTY.....		7,182,652	1,848,335		9,030,987
C. W. & F. Coal Co., "New Orient".....	C. B. & Q.....	505,108	146,610		651,718
	M. P.....	383,313	105,440		488,753
	C. & E. I.....	57,930	16,230		74,160
	I. C.....	232,966	29,533		262,499
Bell & Zoller Coal & Mining Co., No. 1.....	C. B. & Q.....	350,700	73,678		424,378
	I. C.....	264,486	23,779		288,265
	M. P.....	133,853	20,146		153,999
Old Ben Coal Corp. No. 8.....	C. B. & Q.....	401,359	57,350		458,709
	I. C.....	65,308			65,308
	C. & E. I.....	50,947	10,689		61,636
	M. P.....	257,982	94		258,076
Old Ben Coal Corp., No. 15.....	C. B. & Q.....	445,222	89,680		534,902
	I. C.....	209,514	36,996		246,510
	C. & E. I.....	54,834	12,902		67,736
Bell & Zoller Coal & Mining Co., No. 2.....	C. B. & Q.....	311,616	61,990		373,606
	I. C.....	237,435	20,739		258,174
	M. P.....	127,787	25,173		152,960
Old Ben Coal Corp., No. 14.....	C. B. & Q.....	413,753	67,069		480,822
	I. C.....	133,943	5,694		139,637
	M. P.....	151,562	37,769		189,331
Valier Coal Co.....	C. B. & Q.....		689,217		689,217
Peabody Coal Co., No. 19.....	C. & E. I.....	147,451			147,451
	C. B. & Q.....	395,238			395,238
	I. C.....	95,730			95,730
Franklin County Coal Co., No. 7.....	C. B. & Q.....	221,214	74,634		295,848
	M. P.....	97,424	38,751		136,175
	I. C.....	83,079	30,361		113,440
C. W. & F. Coal Co., No. 1.....	C. B. & Q.....	214,323	27,025		241,348
	M. P.....	88,306	24,545		112,851
	C. & E. I.....	25,753	3,529		29,282
	I. C.....	89,504	9,105		98,609
Franklin County Coal Co.....	C. B. & Q.....	220,105	12,435		232,540
	M. P.....	115,232	784		116,016
	I. C.....	126,638	7,214		133,852
Peabody Coal Co., No. 18.....	C. & E. I.....	60,091	25,454		85,545
	C. B. & Q.....	195,346	40,497		235,843
	I. C.....	52,208	9,737		61,945
Brewerton Coal Corp., No. 21.....	C. B. & Q.....	42,457	4,954		47,411
	I. C.....	20,923			20,923
	C. & E. I.....	7,007	549		7,556
Brewerton Coal Corp., No. 22.....	C. B. & Q.....	53,675	7,983		61,658
Old Ben Coal Corp., No. 11.....	C. B. & Q.....	41,330			41,330
Totals Tenth District.....		7,182,652	1,848,335		9,030,987

TABLE 19—Concluded

Operators	Railroads	Tons shipped	Tons sold to railroad companies	Tons supplied to locomotives at the mines	Total tons handled railroads
SALINE COUNTY		2,365,331	426,065		2,791,396
Peabody Coal Co., No. 47	C. C. C. & St. L.	454,919	106,702		561,621
O'Gara Coal Co., No. 1	C. C. C. & St. L.	485,419	32,302		517,721
	S. I. R. & P.	18,160			18,160
Wasson Coal Co., No. 1	C. C. C. & St. L.	318,139	48,243		366,382
Peabody Coal Co., No. 43	C. C. C. & St. L.	297,744	58,178		355,922
O'Gara Coal Co., No. 3	C. C. C. & St. L.	199,408	103,436		302,844
O'Gara Coal Co., No. 10	C. C. C. & St. L.	87,193	48,337		135,530
	C. C. C. & St. L.	61,238			61,238
Rex Coal Co., No. 2	I. C.	205,123			205,123
Blue Bird Coal Co., No. 1	C. C. C. & St. L.	167,903			167,903
Wasson Coal Co., No. 2	C. C. C. & St. L.	22,159	19,836		41,995
O'Gara Coal Co., No. 12	C. C. C. & St. L.	24,213	3,430		27,643
	S. I. R. P.	7,266			7,266
Harrisburg Coal Mining Co., No. 9	C. C. C. & St. L.	16,447	5,601		22,048
WHITE COUNTY		4,301			4,301
Fireband Fuel Co., No. 1	C. C. C. & St. L.	3,463			3,463
	B. & O.	838			838
Totals Eleventh District		2,369,632	426,065		2,795,697
WILLIAMSON COUNTY		1,334,149	652,698		1,986,847
Cartersville Herrin Coal Co.	C. B. & Q.	243,000	40,000		283,000
Consolidated Coal Co.	I. C.	79,146	13,587		92,733
	M. P.	87,989	13,641		101,630
	C. B. & Q.	78,165	10,953		89,118
Madison Coal Corp., No. 12	I. C.		217,214		217,214
Peabody Coal Co., No. 25	I. C.	188,101	9,515		197,616
Cosgrove Meehan Coal Co., No. 1	C. B. & Q.	134,710	34,271		168,981
St. Louis Coal & Iron Co., No. 2	M. P.		176,533		176,533
Old Ben Coal Corp., No. 18	C. B. & Q.	53,967	25,719		79,686
	I. C.	21,492	2,954		24,446
	C. & E. I.	3,107	153		3,260
	M. P.	45,378	11,102		56,480
Wallace Coal Co.	M. P.	88,521	16,088		104,609
Cosgrove Meehan Coal Co., No. 3	M. P.	83,143	12,672		95,815
C. W. & F. Mining Co., "A"	C. B. & Q.	25,530	4,076		29,606
	M. P.	20,310	2,571		22,881
	I. C.	17,897	366		18,263
Carbon Fuel Co.	C. B. & Q.	72,479	15,607		88,086
Freeman Coal Mining Co.	I. C.	50,352	1,625		51,977
	C. B. & Q.	16,495	3,425		19,920
City Lake Coal Co.	C. B. & Q.	5,657	15,600		21,257
	M. P.	2,129	6,240		8,369
Coal Stripping Co.	M. P.		18,050		18,050
Skaggs Coal Co., No. 1	C. B. & Q.	3,244	486		3,730
	M. P.	2,124			2,124
Puritan Coal Co., No. 1	C. B. & Q.	5,792			5,792
Cartersville Coal & Mining Co., No. 1	M. P.	2,900	250		3,150
Ogmore Coal Co.	I. C.	696			696
Spillertown Mining Co.	C. & E. I.	1,300			1,300
McCluskey, Pendley & Wilkinson	C. B. & Q.	525			525
Totals Twelfth District		1,334,149	652,698		1,986,847
The State		26,189,524	13,589,562	161,707	39,940,793

TABLE 20—COUNTIES AND TONNAGE HANDLED BY RAILROADS

No.	County	Total tons produced	Tons shipped	Tons sold to Railroad companies	Tons supplied locomotives	Total tons handled by railroads	Percent of tonnage handled by railroads
1	Franklin.....	9,531,560	7,182,652	1,848,335	.....	9,030,987	94.7
2	Macoupin.....	3,984,432	951,884	2,862,953	5,155	3,819,992	95.8
3	Sangamon.....	3,218,458	2,131,098	798,201	2,316	2,931,615	91.1
4	Christian.....	2,981,000	2,392,360	352,694	23,237	2,768,291	92.8
5	Perry.....	2,973,148	1,497,685	1,364,746	30,752	2,893,183	97.3
6	Saline.....	2,957,019	2,365,331	426,065	.....	2,791,396	94.3
7	St. Clair.....	2,430,146	1,381,630	505,761	33,931	1,921,322	79.0
8	Vermilion.....	2,316,847	1,537,433	721,462	908	2,259,803	97.5
9	Williamson.....	2,090,098	1,334,149	652,698	.....	1,986,847	95.1
10	Jackson.....	1,892,008	1,436,125	414,580	.....	1,850,705	97.8
11	Montgomery.....	1,255,432	527,492	671,502	.....	1,198,994	95.5
12	Fulton.....	1,229,481	634,524	560,299	.....	1,194,823	97.1
13	Madison.....	1,093,312	713,576	228,184	.....	941,760	86.1
14	Peoria.....	1,030,832	111,818	909,931	.....	1,021,749	99.1
15	Will.....	988,500	692,400	254,079	.....	946,479	95.7
16	Henry.....	696,554	329,133	195,518	.....	524,651	85.3
17	Randolph.....	426,289	125,285	277,005	.....	402,290	94.3
18	Washington.....	378,850	124,978	178,951	41,117	345,046	91.0
19	Marion.....	360,576	241,893	50,253	.....	292,146	81.0
20	Knox.....	290,581	21,616	240,518	.....	262,134	90.2
21	Tazewell.....	251,344	135,819	51,612	.....	187,431	74.5
22	Canton.....	183,507	131,355	9,927	6,741	148,023	80.6
23	LaSalle.....	170,324	88,183	2,656	.....	90,839	53.3
24	Logan.....	114,519	30,363	4,072	17,400	51,835	45.2
25	Macon.....	82,274	3,786	.....	.....	3,786	4.6
26	Bond.....	52,018	30,593	7,560	.....	38,153	73.3
27	Woodford.....	48,447	21,115	.....	.....	21,115	43.5
28	Shelby.....	23,507	2,954	.....	.....	2,954	12.5
29	Putnam.....	13,387	7,993	.....	150	8,143	60.8
30	White.....	8,608	4,301	.....	.....	4,301	49.9
Total.....		43,073,058	26,189,524	13,589,562	161,707	39,940,793	92.7

TABLE 21—RAILROADS HANDLING THE COAL AND THE MINES SERVED BY EACH

No.	Railroads	County	District No.	Tons shipped	Tons sold to railroad companies	Tons supplied locomotives at the mines	Total tons handled by railroads
1	Illinois Central.			5,543,484	2,161,502	107,581	7,812,567
	1 Alcoa Ore Co.	St. Clair.	8	250			250
	2 Bailey Bros.	Perry	9	5,750			5,750
	3 Bell & Zoller Coal Mining Co., No. 1	Franklin.	10	264,486	23,779		288,265
	4 Bell & Zoller Coal Mining Co., No. 2	Franklin.	10	237,435	20,739		258,174
	5 Brewerton Coal Corp., No. 21	Franklin.	10	20,923			20,923
	6 Brewerton Coal Corp., No. 45	Perry	9	3,869	52,954	9,000	65,823
	7 Brewerton Coal Corp., No. 92	Logan.	4	21,580	4,072	17,400	43,052
	8 Centralia Coal Co., No. 5	Washington.	4	70,576	163,648		234,224
	9 Greer Clinch Coal Co., No. 14	Perry	9	356,487	1,925		358,412
	10 Greer Clinch Coal Co., No. 15	Perry	9	83,022	149,551		232,573
	11 Consolidated Coal Co., No. 1	Macoupin.	6		1,058		1,058
	12 Consolidated Coal Co., No. 2	Williamson.	12	79,146	13,587		92,733
	13 C. W. & F. Coal Co., A.	Williamson.	12	17,897	366		18,263
	14 C. W. & F. Coal Co., No. 1	Franklin.	10	89,504	9,105		98,609
	15 C. W. & F. Coal Co., N. O.	Franklin.	10	232,966	29,533		262,499
	16 Egyptian Coal Co.	Perry	9	19,223			19,223
	17 Eldnar Coal Co.	St. Clair.	8	15,100			15,100
	18 Franklin Co. Coal Co., No. 7	Franklin.	10	83,079	30,361		113,440
	19 Franklin Co. Coal Co., No. 5	Franklin.	10	126,638	7,214		133,852
	20 Freeman Coal Mining Co.	Williamson.	12	50,352	1,625		51,977
	21 Golden Rule Coal Co.	St. Clair.	8	62,996	5,351		68,347
	22 Groom Coal Co.	St. Clair.	8	14,566	8,797	31,037	54,400
	23 Jones Bros. Coal Mining Co., No. 1	St. Clair.	8	17,481			17,481
	24 Jones Bros. Coal Mining Co., No. 2	Randolph.	9	31,625			32,625
	25 Lenzburg Coal Co.	St. Clair.	8	34,000	1,000		35,000
	26 Macon Co. Coal Co.	Macon.	5	3,786			3,786
	27 Madison Coal Corp., No. 2	Madison.	7		140,431		140,431
	28 Madison Coal Corp., No. 5	Macoupin.	6		95,131	5,155	100,286
	29 Madison Coal Corp., No. 12	Williamson.	12		217,214		217,214
	30 Marion Co. Coal Co.	Marion.	7	76,119	9,887		86,006
	31 Moweaqua Coal Corp.	Shelby.	6	2,954			2,954
	32 Mulberry Hill Coal Co.	St. Clair.	8	73,247			82,744
	33 New National Coal & Mining Co.	St. Clair.	8	938	9,497		938
	34 Odin Coal Co.	Marion.	7	21,502	10,502		32,004
	35 O'Gara Coal Co., No. 10	Saline.	11	87,193	48,337		135,530
	36 Ogmore Coal Co.	Williamson.	12	696			696
	37 Okay Coal & Mining Co.	St. Clair.	8	4,293			4,293
	38 Old Ben Coal Corp., No. 8	Franklin.	10	65,308			65,308
	39 Old Ben Coal Corp., No. 14	Franklin.	10	133,943	5,694		139,637

TABLE 21—Continued

No.	Railroads	County	District No.	Tons shipped	Tons sold to railroad companies	Tons supplied locomotives at the mines	Total tons handled by railroad
18	Freeman Coal Mining Co.	Williamson.	12	16,495	3,425	.....	19,920
19	Illinois Colliery Co.	Pulton.	3	13,827	10,400	.....	24,227
20	Marion Co. Coal Co.	Marion.	7	140,334	29,864	.....	170,198
21	McCluskey, Pendley & W.	Williamson.	12	525	.....	.....	525
22	Old Ben Coal Corp., No. 8	Franklin.	10	401,350	57,350	.....	458,709
23	Old Ben Coal Corp., No. 11	Franklin.	10	41,330	.....	.....	41,330
24	Old Ben Coal Corp., No. 14	Franklin.	10	413,753	67,069	.....	480,822
25	Old Ben Coal Corp., No. 15	Franklin.	10	445,222	89,680	.....	534,902
26	Old Ben Coal Corp., No. 18	Williamson.	12	53,967	25,719	.....	79,686
27	Peabody Coal Co., No. 18	Franklin.	10	195,346	40,497	.....	235,843
28	Peabody Coal Co., No. 19	Franklin.	10	395,238	.....	.....	395,238
29	Puritan Coal Co., No. 1	Williamson.	12	5,792	.....	.....	5,792
30	Shuler Coal Co., No. 1	Henry.	1	20,093	9,423	.....	29,516
31	Skaggs Coal Co., No. 1	Williamson.	12	3,244	486	.....	3,730
32	Truax Traer Coal Co.	Fulton.	3	229,392	90,157	.....	319,549
33	Union Coal Co.	Henry.	1	.....	2,656	.....	2,656
34	United Electric Coal Co.	Fulton.	3	228,154	126,781	.....	354,935
35	Valier Coal Co.	Franklin.	10	.....	689,217	.....	689,217
3	Chicago & Illinois Midland.	.....	.....	2,565,953	333,127	.....	2,899,080
1	Panther Creek Mines, No. 3	Sangamon.	4	475	.....	.....	475
2	Panther Creek Mines, No. 4	Sangamon.	4	3,643	.....	.....	3,643
3	Panther Creek Mines, No. 5	Sangamon.	4	568	.....	.....	568
4	Peabody Coal Co., No. 7	Christian.	4	687,206	18,846	.....	706,052
5	Peabody Coal Co., No. 8	Christian.	4	770,889	17,614	.....	788,503
6	Peabody Coal Co., No. 9	Christian.	4	676,779	19,680	.....	696,459
7	Peabody Coal Co., No. 51	Sangamon.	4	252,856	5,078	.....	257,934
8	Peabody Coal Co., No. 51	Sangamon.	4	56,555	.....	.....	56,555
9	Peabody Coal Co., No. 38	Christian.	4	114,465	271,909	.....	386,374
10	Sangamon Coal Co., No. 2	Sangamon.	4	2,517	.....	.....	2,517
4	Missouri Pacific.	.....	.....	2,485,383	1,316,584	.....	3,801,967
1	Bell & Zoller Coal Mining Co., No. 1	Franklin.	10	133,853	20,146	.....	153,999
2	Bell & Zoller Coal Mining Co., No. 2	Franklin.	10	127,787	25,173	.....	152,960
3	Brewerton Coal Co., No. 45	Perry.	9	353	.....	.....	353
4	Cartersville Coal & Mining Co., No. 1	Williamson.	12	2,900	250	.....	3,150
5	City Lake Coal Co.	Williamson.	12	2,129	6,240	.....	8,369

6 Coal Stripping Co.....	9	4, 681	49, 891	54, 572
7 Coal Stripping Co.....	12	.....	18, 050	18, 050
8 Consolidated Coal Co.....	12	87, 989	13, 641	101, 630
9 Cosgrove Meehan Coal Co., No. 3.....	12	83, 143	12, 672	95, 815
10 C. W. & F. Coal Co., No. 1.....	12	88, 306	24, 545	112, 851
11 C. W. & F. Coal Co., "A".....	12	20, 310	2, 571	22, 881
12 C. W. & F. Coal Co., "N. O.".....	12	383, 313	105, 440	488, 753
13 Franklin Co. Coal Co., No. 7.....	10	97, 424	38, 751	136, 175
14 Franklin Co. Coal Co., No. 5.....	10	115, 232	784	116, 016
15 Old Ben Coal Corp., No. 8.....	10	257, 982	94	258, 076
16 Old Ben Coal Corp., No. 14.....	10	151, 562	11, 102	162, 664
17 Old Ben Coal Corp., No. 18.....	12	45, 378	56, 480	101, 858
18 Pyramid Coal Co.....	12	406, 567	472, 398	878, 965
19 Skaggs Coal Co.....	9	2, 124	.....	2, 124
20 St. Louis Coal & Iron Co., No. 2.....	12	.....	176, 533	176, 533
21 Trans-Traer Coal Co., No. 2.....	12	119, 245	23, 517	142, 762
22 United Electric Coal Co., No. 11.....	9	207, 761	260, 929	468, 690
23 Wallace Coal Co.....	12	48, 521	16, 088	64, 609
24 Wilson Coal Mining Co.....	9	45, 823	.....	45, 823
Cleveland, Cincinnati, Chicago & St. Louis.....				
1 Blue Bird Coal Co.....	11	2, 447, 854	1, 020, 153	3, 468, 007
2 Bullock Mining Co.....	11	167, 903	.....	167, 903
3 Carlin Coal Co.....	7	19, 000	.....	19, 000
4 Firebrand Fuel Co., No. 1.....	11	2, 475	.....	2, 475
5 Harrisburg Coal Mining Co., No. 9.....	11	3, 463	.....	3, 463
6 Hillsboro Coal Co.....	11	16, 447	5, 601	22, 048
7 Indiana & Illinois Coal Co., No. 10.....	6	101, 847	85, 359	187, 186
8 O'Gara Coal Co., No. 1.....	11	215, 157	275, 277	490, 434
9 O'Gara Coal Co., No. 3.....	11	485, 419	32, 302	517, 721
10 O'Gara Coal Co., No. 10.....	11	199, 408	103, 436	302, 844
11 O'Gara Coal Co., No. 12.....	11	61, 238	.....	61, 238
12 Pana Coal Co.....	11	24, 213	3, 430	27, 643
13 Peabody Coal Co., No. 24.....	4	1, 094	.....	1, 094
14 Peabody Coal Co., No. 43.....	5	38, 702	281, 809	320, 511
15 Peabody Coal Co., No. 47.....	11	297, 744	58, 178	355, 922
16 Penwell Coal Co.....	11	454, 919	106, 702	561, 621
17 Ubblen Coal Co.....	4	1, 062	.....	1, 062
18 Wesson Coal Co., No. 1.....	2	17, 465	48, 243	65, 708
19 Wesson Coal Co., No. 2.....	11	318, 139	19, 836	337, 975
20 Wesson Coal Co., No. 3.....	11	22, 159	.....	22, 159
Perry.....				
1 Perry.....	9	4, 681	49, 891	54, 572
2 Williamson.....	12	.....	18, 050	18, 050
3 Williamson.....	12	87, 989	13, 641	101, 630
4 Franklin.....	12	83, 143	12, 672	95, 815
5 Williamson.....	12	88, 306	24, 545	112, 851
6 Franklin.....	12	20, 310	2, 571	22, 881
7 Franklin.....	12	383, 313	105, 440	488, 753
8 Franklin.....	10	97, 424	38, 751	136, 175
9 Franklin.....	10	115, 232	784	116, 016
10 Franklin.....	10	257, 982	94	258, 076
11 Franklin.....	10	151, 562	11, 102	162, 664
12 Williamson.....	12	45, 378	56, 480	101, 858
13 Perry.....	9	406, 567	472, 398	878, 965
14 Williamson.....	12	2, 124	.....	2, 124
15 Williamson.....	12	.....	176, 533	176, 533
16 Jackson.....	9	119, 245	23, 517	142, 762
17 Perry.....	9	207, 761	260, 929	468, 690
18 Williamson.....	12	48, 521	16, 088	64, 609
19 Perry.....	9	45, 823	.....	45, 823
Saline.....				
1 Madison.....	11	167, 903	.....	167, 903
2 Madison.....	7	19, 000	.....	19, 000
3 Saline.....	11	2, 475	.....	2, 475
4 Saline.....	11	3, 463	.....	3, 463
5 Montgomery.....	11	16, 447	5, 601	22, 048
6 Montgomery.....	6	101, 847	85, 359	187, 186
7 Saline.....	11	215, 157	275, 277	490, 434
8 Saline.....	11	485, 419	32, 302	517, 721
9 Saline.....	11	199, 408	103, 436	302, 844
10 Saline.....	11	61, 238	.....	61, 238
11 Saline.....	11	24, 213	3, 430	27, 643
12 Christian.....	4	1, 094	.....	1, 094
13 Vermilion.....	5	38, 702	281, 809	320, 511
14 Saline.....	11	297, 744	58, 178	355, 922
15 Peabody Coal Co., No. 47.....	11	454, 919	106, 702	561, 621
16 Christian.....	4	1, 062	.....	1, 062
17 Tazewell.....	2	17, 465	48, 243	65, 708
18 Saline.....	11	318, 139	19, 836	337, 975
19 Saline.....	11	22, 159	.....	22, 159

TABLE 21—Continued

No.	Railroads	County	District No.	Tons shipped	Tons sold to railroad companies	Tons supplied locomotives at the mines	Total tons handled by railroads
6	Chicago & Eastern Illinois.....			1,298,602	349,417		1,648,019
	1 Brewerton Coal Corp., No. 21.....	Franklin.....	10	7,007	549		7,556
	2 C. W. & F. Coal Co., No. 1.....	Franklin.....	10	25,753	3,529		29,282
	3 C. W. & F. Coal Co., "N. O.".....	Franklin.....	10	57,930	16,230		74,160
	4 Hillsboro Coal Co., No. 6.....	Montgomery.....	6	7,003	1,939		8,942
	5 Indiana & Illinois Coal Co., No. 10.....	Montgomery.....	6	32,291	89,356		121,647
	6 Old Ben Coal Corp., No. 8.....	Franklin.....	10	50,947	10,689		61,636
	7 Old Ben Coal Corp., No. 15.....	Franklin.....	10	54,834	12,902		67,736
	8 Old Ben Coal Corp., No. 18.....	Williamson.....	12	3,107	153		3,260
	9 Pana Coal Co., No. 1.....	Christian.....	4	1,202			1,202
	10 Peabody Coal Co., No. 18.....	Franklin.....	10	60,091	25,454		85,545
	11 Peabody Coal Co., No. 19.....	Franklin.....	10	147,451			147,451
	12 Peabody Coal Co., No. 24.....	Vermilion.....	5	311,942			311,942
	13 Spillerton Mining Co., No. 53.....	Williamson.....	12	1,300			1,300
	14 U. S. Fuel Co., "Bun.".....	Vermilion.....	5	537,744	188,616		726,360
7	Chicago & Alton.....			1,178,387	388,423	2,316	1,569,126
	1 Brewerton Coal Co., No. 92.....	Logan.....	4	8,783			8,783
	2 Mine "B" Coal Co., No. 1.....	Sangamon.....	4	91,234	46,482		137,716
	3 Northern Illinois Coal Corp., No. 1.....	Will.....	1	692,400	69,044		761,444
	4 Panther Creek Mines, No. 1.....	Sangamon.....	4	225,130	207,795		432,925
	5 Panther Creek Mines, No. 3.....	Sangamon.....	4	10,932	858		11,790
	6 Panther Creek Mines, No. 4.....	Sangamon.....	4	75,680	12,644		90,640
	7 Panther Creek Mines, No. 5.....	Sangamon.....	4	20,534	11,262	2,316	31,796
	8 Peabody Coal Co., No. 53.....	Sangamon.....	4	2,068	21,161		23,229
	9 Sangamon Coal Co., No. 2.....	Sangamon.....	4	51,626	19,177		70,803
8	Wabash.....			883,195	618,036		1,501,231
	1 Consolidated Coal Co., No. 15.....	Macoupin.....		611,278	308,316		919,594
	2 Mine "B" Coal Co., No. 1.....	Sangamon.....	5	59,566	38,100		97,666
	3 Panther Creek Mines, No. 3.....	Sangamon.....	4	2,742	193		2,935
	4 Panther Creek Mines, No. 4.....	Sangamon.....	4	13,627	5,699		19,326
	5 Panther Creek Mines, No. 5.....	Sangamon.....	4	1,663			1,663
	6 Peabody Coal Co., No. 52.....	Sangamon.....	4	102,126	171,336		273,462
	7 Peabody Coal Co., No. 53.....	Sangamon.....	4	51,603	86,061		137,664

8	Peabody Coal Co., No. 58.	Christian.	4	27,021	27,021	.....	27,021
9	Sangamon Coal Co., No. 2.	Sangamon	4	10,067	10,067	.....	18,398
10	Tilton Mining Co.	Vermilion.	5	3,502	3,502	.....	3,502
9	Illinois Traction System	.....	.....	763,637	35,291	.....	798,928
1	Collinsville Coal Corp.	Madison.	7	6,700	.....	.....	6,700
2	Consolidated Coal Co., No. 15.	Macoupin.	6	.....	561	.....	561
3	Gillispie Coal Co.	Macoupin.	6	339,356	.....	.....	339,356
4	Henrietta Coal Co., "H. T."	Madison.	7	2,624	.....	.....	2,624
5	Mulberry Hill Coal Co.	St. Clair.	8	.....	331	.....	331
6	Panther Creek Mines, No. 3.	Sangamon	7	437	.....	.....	437
7	Panther Creek Mines, No. 4.	Sangamon	4	3,377	.....	.....	3,377
8	Panther Creek Mines, No. 5.	Sangamon	4	42	.....	.....	42
9	Panther Creek Mines, No. 5.	Sangamon	4	1,694	.....	.....	1,694
10	Peabody Coal Co., No. 53.	Sangamon	4	99,349	.....	.....	99,349
11	Perry Coal Co., "St. Ellen"	Sangamon	8	118,012	32,640	.....	150,652
12	Prairie Coal Co.	St. Clair.	8	11,258	.....	.....	11,258
13	Sangamon Coal Co., No. 2.	St. Clair.	8	3,776	.....	.....	3,776
14	South Mine Coal Co.	Sangamon	4	1,250	.....	.....	1,250
15	Troy Mining Co.	Macoupin.	6	40,118	.....	.....	40,118
16	United Electric Coal Co., No. 1.	Madison.	7	132,185	1,759	.....	133,944
17	United Electric Coal Co., No. 14.	Vermilion.	5	3,459	.....	.....	3,459
10	Springfield Terminal	.....	.....	490,453	.....	.....	490,453
1	Peabody Coal Co., No. 59.	Sangamon.	4	490,453	.....	.....	490,453
11	St. Louis & O'Fallon	.....	.....	461,938	26,370	1,306	489,614
1	St. L. & O'Fallon Coal Co., No. 2.	St. Clair.	8	209,151	8,599	1,306	219,056
2	Alcoa Ore Co.	St. Clair.	8	252,787	17,771	.....	270,558
12	Elgin, Joliet & Eastern.	.....	.....	451,937	133,720	908	586,565
1	U. S. Fuel Co., "Ver."	Vermilion.	5	451,937	133,720	908	586,565
13	Litchfield & Madison.	.....	.....	423,589	.....	.....	423,589
1	Mt. Olive & Staunton Coal Co., No. 2.	Madison.	7	421,994	.....	.....	421,994
2	Henrietta Coal Co., "Hen."	Madison.	7	1,595	.....	.....	1,595

TABLE 21—Continued

No.	Railroads	County	District No.	Tons shipped	Tons sold to railroad companies	Tons supplied locomotives at the mines	Total tons handled by railroads
14	Chicago, Rock Island & Pacific..... 1 Illinois Zinc Co..... 2 Midland Electric Co..... 3 Union Coal Co.....	LaSalle..... Henry..... LaSalle.....	..... 1 1 1	372,880 6,398 309,040 57,442	186,095 186,095 .....	..... ..... ..... .....	558,975 6,398 495,135 57,442
15	Pennsylvania Lines..... 1 Lumaghi Coal Co., No. 2..... 2 Pocahontas Mining Co.....	..... Madison..... Bond.....	..... 7 7	249,663 219,070 30,593	95,313 87,753 7,560	..... ..... .....	344,976 306,823 38,153
16	Baltimore & Ohio..... 1 Breese Trenton Mining Co., "N. B."..... 2 Firebrand Fuel Co., No. 1..... 3 Odin Coal Co..... 4 Pana Coal Co..... 5 Panther Creek Mines, No. 3..... 6 Panther Creek Mines, No. 4..... 7 Panther Creek Mines, No. 5..... 8 Peabody Coal Co., No. 53..... 9 Peabody Coal Co., No. 57..... 10 Penwell Coal Mining Co..... 11 Perry Coal Co., "Carbon"..... 12 Perry Coal Co., "Taylor".....	..... Clinton..... White..... Marion..... Christian..... Sangamon..... Sangamon..... Sangamon..... Sangamon..... Sangamon..... Christian..... St. Clair..... St. Clair.....	..... 8 11 7 4 4 4 4 4 4 4 8 8	236,042 102,413 838 3,938 1,766 1,928 9,847 396 312 4,914 3,744 66,742 39,204	163,450 9,927 37,905 16,858 98,760	6,741 6,741	406,233 119,081 3,938 1,766 1,928 9,847 396 312 42,819 3,744 83,600 137,964
17	Chicago, Springfield & St. Louis..... 1 Central Illinois Coal Mining Co., "A"..... 2 Mine "B" Coal Co., No. 3..... 3 Panther Creek Mines, No. 3..... 4 Panther Creek Mines, No. 4..... 5 Panther Creek Mines, No. 5.....	..... Sangamon..... Sangamon..... Sangamon..... Sangamon..... Sangamon.....	..... 4 4 4 4 4	218,053 165,876 49,070 460 2,558 88	59,478 51,799 7,679 ..... ..... .....	..... ..... ..... ..... ..... .....	277,531 217,675 56,756 460 2,558 88
18	Toledo, St. Louis & Western..... 1 Cosgrove Meehan Coal Co., No. 5.....	..... Montgomery.....	..... 6	171,194 171,194	219,591 219,591	..... .....	390,785 390,785

19	Peoria & Pekin Union.....	.....	.....	118,354	51,612	.....	169,966
	1 Lake Erie Mining Co.....	2	Tazewell.....	118,354	51,612	.....	169,966
20	Southern.....	.....	.....	117,544	60,722	.....	178,266
	1 Guest Coal Co.....	8	St. Clair.....	8,352	.....	.....	8,352
	2 Southern Coal, Coke & Mining Co., No. 7.....	8	St. Clair.....	80,250	60,722	.....	140,972
	3 Southern Coal, Coke & Mining Co., No. 9.....	8	Clinton.....	28,942	.....	.....	28,942
21	Minneapolis & St. Louis.....	.....	.....	111,253	273,192	.....	384,445
	1 Dorthel Coal Co., No. 1.....	3	Peoria.....	37,784	126,243	.....	164,027
	2 Dorthel Coal Co., No. 2.....	3	Fulton.....	49,032	72,350	.....	121,382
	3 Dorthel Coal Co., No. 3.....	3	Fulton.....	24,437	.....	.....	24,437
	4 Truax Traer Coal Co.....	3	Fulton.....	.....	56,153	.....	56,153
	5 United Electric Coal Co.....	3	Fulton.....	.....	18,446	.....	18,446
22	Peoria & Eastern.....	.....	.....	57,962	115,558	.....	173,520
	1 United Electric Coal Co., No. 1.....	5	Vermilion.....	57,962	115,558	.....	173,520
23	Peoria Terminal.....	.....	.....	49,461	770,428	.....	819,889
	1 Crescent Mining Co., No. 1.....	3	Peoria.....	10,355	299,857	.....	310,212
	2 Crescent Mining Co., No. 6.....	3	Peoria.....	39,106	470,571	.....	509,677
24	Louisville & Nashville.....	.....	.....	49,075	15,303	41,117	105,495
	1 Clarkson Coal Mining Co.....	9	Washington.....	17,991	15,303	41,117	74,411
	2 Enterprise Coal Mining Co.....	8	St. Clair.....	7,523	.....	.....	7,523
	3 Kalb Coal Co.....	8	St. Clair.....	3,403	.....	.....	3,403
	4 Service Coal Co.....	8	St. Clair.....	4,618	.....	.....	4,618
	5 Summit Coal Co.....	8	St. Clair.....	6,876	.....	.....	6,876
	6 White Coal Co.....	8	St. Clair.....	8,064	.....	.....	8,064
25	Missouri & Illinois.....	.....	.....	65,664	6,000	.....	71,664
	1 Perry Coal Co., "Percu.".....	9	Perry.....	24,591	6,000	.....	30,591
	2 St. Louis Coal Co.....	9	Randolph.....	41,073	.....	.....	41,073
26	Caseyville Railway.....	.....	.....	37,487	64,832	1,588	103,907
	1 Gundlach Coal Co.....	8	St. Clair.....	37,487	64,832	1,588	103,907

TABLE 21—Continued

No.	Railroads	County	District No.	Tons shipped	Tons sold to railroad companies	Tons supplied locomotives at the mines	Total tons handled by railroads
27	Atchison, Topeka & Santa Fe..... 1 Galesburg Mining Co..... 2 Northern Illinois Coal Corp..... 3 Roanoke Coal & Tite Co..... 4 Sutton, W. G.....	..... Knox..... Will..... Woodford..... Woodford.....	..... 3 1 2 2	26,085 21,616 4,312 157	412,594 240,518 172,076 ..... .....	..... ..... ..... ..... .....	438,679 262,134 172,076 4,312 157
28	Southern Illinois Rail & Power..... 1 O'Gara Coal Co., No. 1..... 2 O'Gara Coal Co., No. 12.....	..... Saline..... Saline.....	..... 11 11	25,426 18,160 7,266	..... ..... .....	..... ..... .....	25,426 18,160 7,266
29	Peoria, LaSalle & Deer Park..... 1 Illinois Zinc Co.....	..... LaSalle.....	..... 1	24,343 24,343	..... .....	..... .....	24,343 24,343
30	Mobile & Ohio..... 1 Moffat Coal Co.....	..... Randolph.....	..... 9	19,731 19,731	257,505 257,505	..... .....	277,236 277,236
31	Toledo, Peoria & Western..... 1 Rawlts Coal Co.....	..... Fulton.....	..... 3	5,000 5,000	..... .....	..... .....	5,000 5,000
32	R. I. & N..... 1 Prairie State Coal Co.....	..... Putnam.....	..... 1	4,106 4,106	..... .....	150 150	4,256 4,256
33	St. Louis & Belleville..... 1 Quality Coal Mining Co.....	..... St. Clair.....	..... 8	3,426 3,426	..... .....	..... .....	3,426 3,426
34	Chicago, Milwaukee & St. Paul..... 1 Prairie State Coal Co.....	..... Putnam.....	..... 1	2,707 2,707	..... .....	..... .....	2,707 2,707

35	New York Central.....			1,180		1,180			
	1 Prairie State Coal Co.....	Putnam.....	1	1,180		1,180			
36	Chicago & North Western.....				2,432,017				2,432,017
	1 Superior Coal Co., No. 1.....	Macoupin.....	6		481,599				481,599
	2 Superior Coal Co., No. 2.....	Macoupin.....	6		573,294				573,294
	3 Superior Coal Co., No. 3.....	Macoupin.....	6		673,044				673,044
	4 Superior Coal Co., No. 4.....	Macoupin.....	6		704,080				704,080
37	Belt Line.....				17,681				17,681
	1 Consolidated Coal Co., No. 15.....	Macoupin.....	6		17,681				17,681
38	Belt Railway.....				12,959				12,959
	1 Northern Illinois Coal Corp.....	Will.....	1		12,959				12,959
39	Chicago & Western Indiana.....				7,723				7,723
	1 Consolidated Coal Co., No. 15.....	Macoupin.....	6		7,723				7,723
40	Chicago & Great Western.....				6,838				6,838
	1 Mulberry Hill Coal Co.....	St. Clair.....	8		6,838				6,838
41	Frisco.....				2,531				2,531
	1 Mulberry Hill Coal Co.....	St. Clair.....	8		2,531				2,531
42	Alton & Southern.....				1,899				1,899
	1 Consolidated Coal Co., No. 15.....	Macoupin.....	6		277				277
	2 Mulberry Hill Coal Co.....	St. Clair.....	8		1,622				1,622
43	Missouri, Kansas & Texas.....				1,806				1,806
	1 Consolidated Coal Co., No. 15.....	Macoupin.....	6		189				189
	2 Mulberry Hill Coal Co.....	St. Clair.....	8		1,617				1,617
	The State.....			26,189,524	13,589,562		161,707		39,940,793

TABLE 22—RAILROADS SERVING THE SHIPPING MINES AND THE TONNAGE HANDLED BY EACH

No.	Railroads	Tons shipped	Tons bought	Tons supplied locomotives at the mine	Total tons handled by railroads
	The State.....	26,189,524	13,589,562	161,707	39,940,793
1	Illinois Central.....	5,543,484	2,161,502	107,581	7,812,567
2	Chicago, Burlington & Quincy.....	5,228,476	1,971,812		7,200,288
3	Chicago & Illinois Midland.....	2,565,953	333,127		2,899,080
4	Missouri Pacific.....	2,485,383	1,316,584		3,801,967
5	Cleveland, Cincinnati, Chicago & St. Louis.....	2,447,854	1,020,153		3,468,007
6	Chicago & Eastern Illinois.....	1,298,602	349,417		1,648,019
7	Chicago & Alton.....	1,178,387	388,423	2,316	1,569,126
8	Wabash.....	883,195	618,036		1,501,231
9	Illinois Traction System.....	763,637	35,291		798,929
10	Springfield Terminal.....	490,453			490,453
11	St. Louis & O'Fallon.....	461,938	26,370	1,306	489,614
12	Elgin, Joliet & Eastern.....	451,937	133,720	908	586,565
13	Litchfield & Madison.....	423,589			423,589
14	Chicago, Rock Island & Pacific.....	372,880	186,095		558,975
15	Pennsylvania R. R.....	249,663	95,313		344,976
16	Baltimore & Ohio.....	236,042	163,450	6,741	406,233
17	Chicago, Springfield & St. Louis.....	218,053	59,478		277,531
18	Toledo, St. Louis & Western.....	171,194	219,591		390,785
19	Peoria & Pekin Union.....	118,354	51,612		169,966
20	Southern Ry.....	117,544	60,722		178,266
21	Minneapolis & St. Louis.....	111,253	273,192		384,445
22	Peoria & Eastern.....	57,962	115,558		173,520
23	Peoria Terminal.....	49,461	770,428		819,889
24	Louisville & Nashville.....	49,075	15,303	41,117	105,495
25	Missouri & Illinois.....	65,664	6,000		71,664
26	Caseyville Ry.....	37,487	64,832	1,588	103,907
27	Atchison, Topeka & Santa Fe.....	26,085	412,594		438,679
28	Southern Illinois Rail & Power.....	25,426			25,426
29	Peoria, LaSalle & Deer Park.....	24,343			24,343
30	Mobile & Ohio.....	19,731	257,505		277,236
31	Toledo, Peoria & Western.....	5,000			5,000
32	Rock Island & Northern.....	4,106		150	4,256
33	St. Louis & Belleville.....	3,426			3,426
34	Chicago, Milwaukee & St. Paul.....	2,707			2,707
35	New York Central.....	1,180			1,180
36	Chicago, Northwestern.....		2,432,017		2,432,017
37	Belt Line.....		17,681		17,681
38	Belt Railway.....		12,959		12,959
39	Chicago & Western Indiana.....		7,723		7,723
40	Chicago & Great Western.....		6,838		6,838
41	Frisco.....		2,531		2,531
42	Alton & Southern.....		1,899		1,899
43	Missouri, Kansas & Texas.....		1,806		1,806

TABLE 23—METHOD OF MINING—MINES, MACHINES AND TONS IN EACH METHOD—SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE

District	Machine exclusively			Hand exclusively		Hand and machine			Strip mines	
	Mines	Machines	Tons	Mines	Tons	Mines	Machines	Tons	Mines	Tons
First.....	1	5	109,138	3	109,810				2	1,649,817
Second.....	5	64	1,243,039	2	48,447	1	3	39,137		
Third.....	2	15	277,759			4	31	473,164	2	769,139
Fourth.....	8	112	4,054,363	9	1,702,804	2	2	556,809		
Fifth.....	1	9	82,274			5	87	1,992,696	1	324,151
Sixth.....	10	67	4,627,424			2	19	635,947		
Seventh.....	10	81	1,402,183	2	103,723					
Eighth.....	10	51	1,421,383	16	767,696	1	1	55,670	1	368,904
Ninth.....	7	73	1,862,485	3	113,053	3	32	444,609	7	3,250,148
Tenth.....	12	314	8,928,818			3	72	602,742		
Eleventh.....	10	202	2,746,154	1	23,005	1	2	31,029	1	165,439
Twelfth.....	9	110	1,435,816	5	39,651	4	33	593,431	2	21,200
Total.....	85	1,103	28,190,836	41	2,908,189	26	282	5,425,234	16	6,548,798
Local mines.....	37	57	526,379	719	1,237,070	17	21	245,011	53	71,105
All mines.....	122	1,160	28,717,215	760	4,145,259	43	303	5,670,245	69	6,619,903

TABLE 25—EXPLOSIVES USED FOR BLASTING COAL IN SHIPPING MINES
BY DISTRICTS—BLASTING FROM SOLID

District	Powder			Permissibles			Pellet powder		
	Kegs	Tons	Average tons per keg	Pounds	Tons	Average tons per pound	Pounds	Tons	Average tons per pound
First.....	2,481	35,237	14.2	.....	.....	.....	.....	.....	.....
Second.....	1,573	165,938	105.5	.....	.....	.....	16,300	86,146	5.3
Third.....	7,687	107,933	14.4	.....	.....	.....	.....	.....	.....
Fourth.....	106,930	1,860,566	17.4	.....	.....	.....	190,375	151,358	.8
Fifth.....	442	17,726	40.1	50	202	4.0	.....	.....	.....
Sixth.....	473	8,266	17.5	.....	.....	.....	.....	.....	.....
Seventh.....	1,406	36,723	26.1	150	1,350	9.0	34,075	74,062	2.2
Eighth.....	20,480	484,514	23.6	.....	.....	.....	349,650	399,595	1.1
Ninth.....	5,820	205,642	35.3	2,810	18,340	6.5	3,500	21,555	6.2
Tenth.....	.....	.....	.....	13,190	38,873	2.9	.....	.....	.....
Eleventh.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Twelfth.....	5,850	115,679	19.8	.....	.....	.....	14,100	25,789	1.8
Total.....	153,142	3,038,224	19.8	16,200	58,765	3.6	608,000	758,505	1.2

TABLE 27—EXPLOSIVES USED BY DISTRICTS IN STRIP MINES

Districts	Tons mined	Explosives Used				
		Powder kegs	Pellet Powder—pounds	Permissibles—pounds	Dynamite—pounds	L. O. X.—pounds
First.....	1,649,817	1,882	56,000		800	
Third.....	769,139				26,150	
Fifth.....	324,151					
Eighth.....	368,904					
Ninth.....	3,250,148		160,000	3,700	38,775	110,110
Eleventh.....	165,439					
Twelfth.....	21,200		250	800	50	
Total.....	6,548,798	1,882	216,250	4,500	65,775	110,110

TABLE 28—SUMMARY SHOWING THE AMOUNT AND KIND OF EXPLOSIVE USED IN THE DIFFERENT METHODS OF MINING

	Powder		Permissibles		Pellet powder		Dynamite		Cardox	L. O. X.
	Kegs	Tons	Pounds	Tons	Pounds	Tons	Pounds	Tons	Tons	Pounds
Shot from solid.....	153,142	3,038,224	16,200	58,765	608,000	758,505	.....	.....	.....	.....
Under-cut.....	67,790	4,762,495	2,385,411	16,430,471	3,689,057	8,388,900	49,545	208,929	2,678,570	.....
Strip mines.....	1,882	66,548,798	4,500	.....	216,230	.....	65,775	.....	.....	110,110
No explosives used.....	.....	199,401	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	222,814	14,548,918	2,406,111	16,489,236	4,513,307	9,147,405	115,320	208,929	2,678,570	110,110

a Total

TABLE 29—EXPLOSIVES USED IN LOCAL MINES

District	Powder		Pellet powder		Tons produced in—		Total	
	Mines using	Kegs	Mines using	Pounds	Strip mines	Other mines	Mines	Tons produced
First	71	10,567	2	6,875	13,688	335,362	94	349,050
Second	98	7,415	2	8,575	8,176	282,318	109	290,494
Third	163	11,424			26,578	248,361	244	274,939
Fourth	25	12,146				233,151	30	233,151
Fifth	91	7,586			7,450	225,154	103	232,604
Sixth	18	719				41,827	36	41,827
Seventh	10	901				67,312	10	67,312
Eighth	22	11,888	1	8,400	1,080	347,417	25	348,497
Ninth	47	4,547	2	1,395	988	110,836	50	111,824
Eleventh	46	2,431	2	2,250		52,456	48	52,456
Twelfth	51	3,322	6	1,775	13,145	64,266	61	77,411
Total	642	72,946	15	29,270	71,105	2,008,460	810	2,079,565

Note—Two mines used 75 lbs. of permissible. Two mines used 75 lbs. dynamite.

TABLE 30—MINES USING MECHANICAL LOADERS

Name of operator	Tons mined	Loading machines			Conveyors			Loaded by hand		
		Number used	Days operated	Tons loaded	Number used	Days operated	Tons loaded	Number of loaders	Days operated	Tons loaded
Alcoa Ore Co.,	270,808	4	221	199,308	8	242	71,500	.....	.....	.....
Bell & Zollar Mining Co., No. 1,	936,785	18	134	663,401	64	139	273,384	.....	.....	.....
Breese-Trenton Mining Co., "N,"	150,864	4	131	140,878	2	131	9,986	.....	.....	.....
Brewerton Coal Co., No. 21	81,758	8	34	50,804	.....	.....	.....	107	45	30,954
Brewerton Coal Co., No. 22	62,445	8	30	49,950	.....	.....	.....	42	16	12,495
Carbon Fuel Co.,	89,229	2	221	71,382	1	221	16,700	.....	221	1,147
Cartersville Herrin Coal Co.,	306,302	.....	.....	.....	8	205	106,000	182	205	200,302
Centralia Coal Co.,	292,628	6	148	283,215	2	148	9,413	.....	.....	.....
C. W. & F. Coal Co., No. 1,	516,956	12	102	225,543	48	108	184,003	600	17	107,410
C. W. & F. Coal Co., No. 2,	1,566,660	34	143	1,108,858	86	157	457,802	.....	.....	.....
C. W. & F. Coal Co., "A,"	91,713	4	37	42,834	33	37	48,879	.....	.....	.....
Clarkson Coal Co.,	86,222	.....	.....	.....	1	67	890	.....	.....	.....
Consolidated Coal Co., N. M.,	306,021	10	75	239,009	.....	.....	.....	59	197	85,332
Consolidated Coal Co., No. 15,	1,008,199	13	218	1,008,199	.....	.....	.....	45	107	67,012
Cosgrove-Meehan Coal Co., No. 1,	178,455	.....	.....	.....	55	82	168,682	136	82	9,773
Cosgrove-Meehan Coal Co., No. 3,	100,864	.....	.....	.....	72	46	100,864	.....	.....	.....
Cosgrove-Meehan Coal Co., No. 5,	404,545	.....	.....	.....	64	158	404,545	.....	.....	.....
Crescent Mining Co., No. 6,	512,374	1	100	2,891	1	100	2,891	311	182	509,483
Dorthel Coal Co., No. 2,	122,676	3	61	2,781	3	61	2,781	131	101	119,895
Enterprise Coal Co.,	8,959	6	52	8,959	6	52	8,959	68	183	96,224
Franklin Co. Coal Co., No. 7,	588,362	4	183	167,037	47	183	325,101	.....	.....	.....
Gillespie Coal Co.,	345,773	.....	.....	.....	31	263	345,773	.....	.....	.....
Golden Rule Coal Co.,	70,148	7	126	65,744	7	126	65,744	7	106	4,404
Groom Coal Co.,	55,670	.....	.....	.....	13	75	55,670	.....	.....	.....
Gundlach Coal Co.,	127,245	3	105	51,265	12	142	75,980	.....	.....	.....
Hillsboro Coal Co.,	238,447	34	188	238,447	34	188	238,447	.....	.....	.....
Indiana and Illinois Coal Corp., No. 10,	612,440	37	136	439,648	37	136	439,648	126	136	172,792
Kolb Coal Co., No. 2,	21,633	1	6	557	.....	.....	.....	.....	.....	.....
Lumaghi Coal Co., No. 2,	310,026	7	162	275,206	42	146	273,050	.....	.....	.....
Marion Co. Coal Co.,	302,507	6	114	198,330	.....	.....	.....	90	38	21,076
Moffat Coal Co.,	291,900	6	.....	.....	.....	.....	.....	28	146	36,976
Mt. Olive & Staunton Coal Co.,	446,779	.....	.....	.....	57	194	446,779	143	114	93,570
Mulberry Hill Coal Co.,	103,322	5	.....	.....	5	152	39,886	.....	.....	.....
O'Gara Coal Co., No. 3,	343,048	2	180	20,932	46	180	274,500	37	152	63,436
O'Gara Coal Co., No. 10,	217,079	.....	.....	.....	22	87	59,221	98	180	47,616
Old Ben Coal Corp., No. 8,	903,625	7	212	362,942	75	212	540,683	122	113	157,858
Old Ben Coal Corp., No. 14,	847,189	.....	.....	.....	110	224	847,189	.....	.....	.....

Old Ben Coal Corp., No. 15.....	886,789					106	231	886,789					
Old Ben Coal Corp., No. 18.....	165,238					101	38	139,790	473			4	25,448
Peabody Coal Co., No. 7.....	740,218	14	149	702,389		7	103	37,829					
Peabody Coal Co., No. 9.....	726,331	14	143	682,436		6	143	43,403	2			143	502
Peabody Coal Co., No. 18.....	392,193	9	120	250,365		32	120	141,828					
Peabody Coal Co., No. 24.....	645,363	12	208	507,166		19	208	122,712	13			208	15,485
Peabody Coal Co., No. 25.....	295,174					27	100	155,396	63			100	49,778
Peabody Coal Co., No. 43.....	371,428	12	115	311,575		22	115	59,741	3			6	108
Peabody Coal Co., No. 51.....	267,678					37	144	267,678					
Peabody Coal Co., No. 52.....	286,240					36	134	255,374	26			134	30,866
Peabody Coal Co., No. 53.....	467,675	12	143	467,675		36	135	232,394	27			135	28,257
Peabody Coal Co., No. 58.....	502,100							502,100					
Peabody Coal Co., No. 59.....	103,386					50	245	103,386					
Perry Coal Co., "Carbon".....	34,977	1	24	5,079		12	218	24,820				28	4,978
Perry Coal Co., "St. Ellen".....	247,217	4	243	217,914		17	28	29,308	14				
Perry Coal Co., "Taylor".....	148,770	1	179	49,375		15	242	99,395					
Pocahontas Mining Co.....	52,018					4	9	515	130			129	51,503
Rex Coal Co.....	214,157	1	28	3,278		29	120	210,879					
St. Louis Coal & Iron Co.....	176,533					25	198	176,533					
Skaggs Coal Co.....	6,154	3	15	3,971					11			23	2,183
Southern Coal, Coke & Mining Co., No. 7.....	148,891	11	139	148,891					204			45	29,643
Southern Coal, Coke & Mining Co., No. 9.....	32,643	2	15	3,000									
Superior Coal Co., No. 1.....	497,420					100	156	497,420					
Superior Coal Co., No. 2.....	589,962					104	169	589,962					
Superior Coal Co., No. 3.....	701,640					108	178	626,852	393			23	74,808
Superior Coal Co., No. 4.....	725,457					138	173	725,457					
Troy Mining Co.....	56,785					5	63	6,514	42			98	50,271
U. S. Fuel Co., "Bunsen".....	731,119	20	225	1,051,566		12	125	50,109	637			125	681,010
Union Colliery Co.....	1,051,566												
Valier Coal Co.....	699,662	13	114	457,444		53	100	229,329	10			114	12,889
Vinegar Hill Coal Co.....	84,062					8	103	55,602	32			62	28,460
Wallace Coal Co.....	105,812	2	241	91,344		1	241	14,468					
Wasson Coal Co., No. 1.....	387,053	4	138	17,694		3	130	33,410	347			138	335,949
Wasson Coal Co., No. 2.....	44,150		65	44,150									
White Coal Co.....	31,603					6	63	31,603					
Wilson Coal Co.....	47,684	1	76	13,034		10	35	12,175	61			41	22,475
Total.....	25,755,451	289	131	10,187,429		2,131	138	12,258,353	4,840			108	3,309,669

TABLE 31—MINES LOADING ENTIRE OUTPUT MECHANICALLY

Name of operator	Inspection district	Loading machines		Conveyors		Total number employed	Days worked	Tons mined
		Number used	Tons loaded	Number used	Tons loaded			
Alcoa Ore Co.	8	4	199,308	8	71,500	176	242	270,808
Bell & Zollar Mining Co., No. 1	10	18	663,401	64	273,384	785	139	936,785
Breese-Trenton Mining Co.	8	4	140,878	2	9,986	154	131	150,864
Centuria Coal Co.	9	6	283,215	2	9,413	206	148	292,628
C. W. & F. Coal Co., No. 2	10	34	1,108,858	86	457,802	1,224	157	1,566,660
C. W. & F. Coal Co., "A"	12	4	42,834	33	48,879	350	37	91,713
Consolidated Coal Co., No. 15	6	13	1,008,199	.....	.....	403	218	1,008,199
Cosgrove-Meehan Coal Co., No. 3	12	.....	.....	72	100,864	351	46	100,864
Cosgrove-Meehan Coal Co., No. 5	6	.....	.....	64	404,545	446	158	404,545
Enterprise Coal Co.	6	52	.....	6	8,959	42	52	8,959
Gillespie Coal Co.	8	.....	.....	31	345,773	167	263	345,773
Groom Coal Co.	8	.....	.....	13	55,670	92	75	55,670
Gundlach Coal Co.	8	3	51,265	12	75,980	105	142	127,245
Hillsboro Coal Co.	6	.....	.....	34	238,447	257	188	238,447
MT. Olive & Staunton Coal Co.	7	.....	.....	57	446,779	329	194	446,779
Old Ben Coal Corp., No. 8	10	7	362,942	75	540,683	604	212	903,625
Old Ben Coal Corp., No. 14	10	.....	.....	110	847,189	710	224	847,189
Old Ben Coal Corp., No. 15	10	.....	.....	106	886,789	539	231	886,789
Peabody Coal Co., No. 7	4	14	702,389	7	37,829	446	149	740,218
Peabody Coal Co., No. 18	10	9	250,365	32	141,828	457	120	392,193
Peabody Coal Co., No. 51	4	.....	.....	37	267,678	301	144	267,678
Peabody Coal Co., No. 59	4	12	467,675	.....	.....	359	143	467,675
Peabody Coal Co., No. 58	4	.....	.....	50	502,100	310	245	502,100
Perry Coal Co., "Carbon"	8	.....	.....	12	103,386	62	218	103,386
Perry Coal Co., "St. Ellen"	8	4	217,914	7	29,303	147	243	247,217
Perry Coal Co., "Taylor"	11	1	49,375	15	99,395	124	242	148,770
Rex Coal Co.	8	.....	.....	29	210,879	264	120	214,157
St. Louis Coal & Iron Co.	12	11	148,891	25	176,533	130	198	176,533
Southern Coal, Coke & Mining Co., No. 7	8	.....	.....	100	497,420	429	139	148,891
Superior Coal Co., No. 1	6	.....	.....	.....	.....	429	156	497,420
Superior Coal Co., No. 2	6	.....	.....	104	589,962	609	169	589,962
Superior Coal Co., No. 4	6	.....	.....	138	725,457	649	173	725,457
Union Colliery Co.	9	20	1,051,566	.....	.....	524	225	1,051,566
Wallace Coal Co.	12	2	91,344	1	14,468	39	241	105,812
Wasson Coal Co., No. 2	11	4	44,150	.....	.....	139	65	44,150
White Coal Co.	8	.....	.....	6	31,603	68	63	31,603
Total	.....	166	6,887,847	1,338	8,250,483	12,126	164	15,138,330

TABLE 32—METHODS OF LOADING IN SHIPPING MINES—BY DISTRICTS

District	Loading machines			Conveyors			By hand		Stripping		Total		
	Number of mines using	Number used	Tons loaded	Number of mines using	Number used	Tons loaded	Number of mines using	Tons loaded	Number of mines	Tons mined	Number employed	Average days worked	Tons mined
First.....	.....	.....	.....	.....	.....	.....	4	218,948	2	1,649,817	6	1,003	1,868,765
Second.....	.....	.....	.....	.....	.....	.....	8	1,327,732	.....	.....	.....	.....	1,330,623
Third.....	.....	.....	.....	.....	.....	.....	6	748,142	.....	.....	.....	.....	1,520,062
Fourth.....	.....	.....	.....	.....	.....	.....	16	3,122,709	2	769,139	8	1,645	6,313,977
Fifth.....	7	40	1,852,490	6	172	1,338,778	6	1,394,983	.....	.....	19	7,666	2,399,121
Sixth.....	1	13	1,008,199	8	616	3,868,104	5	387,068	1	324,151	7	2,838	5,263,371
Seventh.....	1	7	275,206	4	108	726,858	10	503,842	.....	.....	12	4,711	1,505,906
Eighth.....	7	29	810,631	13	102	647,571	16	786,547	.....	.....	12	2,141	2,613,653
Ninth.....	5	34	1,551,224	4	32	47,398	11	821,525	7	3,250,148	28	2,924	5,670,295
Tenth.....	9	113	3,336,344	9	621	3,886,108	9	2,309,108	.....	.....	15	10,064	9,531,560
Eleventh.....	5	20	397,629	5	122	637,751	9	1,764,810	1	165,439	12	4,491	2,965,627
Twelfth.....	5	21	448,540	8	323	927,312	14	693,046	2	21,200	20	4,588	2,090,098
Total.....	41	289	10,187,429	61	2,131	12,258,373	114	14,078,460	16	6,548,798	167	47,024	130,43,073,058

TABLE 33—PHYSICAL AND MECHANICAL CHARACTERISTICS OF SHIPPING MINES

No.	County, district, name of operator and mine	Postoffice address of mine	Tons of coal produced	Num- ber of seam	Thick- ness of seam, feet	Shaft, slope or strip	Depth of shaft, or feet	Long Wall or pillar and room	Min- ing, Hand, machine or both	Haul- age, Motor, mule or both	Hoist- ing, Steam or Electric	Load- ing, Hand, machine or both	Open or closed lights	Is mine rock dusted?
1	Bond County—Seventh District. Pocahontas Mining Co.	Pocahontas.	52, 018											
			52, 018	6	7	Shaft	426	P. & R.	Machine	Both	Steam	Both	Open	No
2	Christian County—Fourth District. Peabody Coal Co., No. 8. Peabody Coal Co., No. 7. Peabody Coal Co., No. 6. Peabody Coal Co., No. 5. Peabody Coal Co., No. 58. Pana Coal Co., No. 1. Penwell Coal Mining Co.	Tovey. Kincaid. Kingsleyville. Taylorville. Pana. Pana. Pana.	2, 981, 000											
			803, 470	7	6. 6	Shaft	370	P. & R.	Machine	Motor	Electric	Hand	Open	No
			740, 218	6	6. 6	Shaft	360	P. & R.	Machine	Motor	Electric	Machine	Open	Yes
			726, 331	5	7	Shaft	410	P. & R.	Machine	Motor	Electric	Both	Open	Yes
			467, 675	6	7	Shaft	446	P. & R.	Machine	Motor	Steam	Machine	Open	Yes
			142, 735	6	7. 6	Shaft	729	P. & R.	Hand	Both	Steam	Hand	Open	No
			100, 571	6	7. 6	Shaft	745	P. & R.	Both	Both	Steam	Hand	Open	No
3	Clinton County—Eighth District. Breese Trenton Mining Co., N. B. Southern C. C. & Mining Co., No. 9	Breese. New Baden.	183, 507											
			150, 864	6	6. 6	Shaft	420	P. & R.	Machine	Both	Steam	Both	Open	No
4	Franklin County—Tenth District. C. W. & F. Coal Co., No. 2. Bell & Zoller Coal & Mining Co., No. 1. Old Ben Coal Corp., No. 8. Old Ben Coal Corp., No. 15. Bell & Zoller C. & M. Co., No. 2. Old Ben Coal Corp., No. 14. Valley Coal Co. Valley Coal Co., No. 19. Franklin Co. Coal Co., No. 7. C. W. & F. Coal Co., No. 1. Franklin Co. Coal Co., No. 5. Peabody Coal Co., No. 18. Brewerton Coal Corp., No. 21. Brewerton Coal Corp., No. 22. Old Ben Coal Corp., No. 11	W. Frankfort. Ziegler. W. Frankfort. Ezra. Ziegler. Buckner. Valley. W. Frankfort. Royalton. Orient. Herrin. W. Frankfort. W. Frankfort. Sesser. Christopher.	9, 531, 560	6	9. 2	Shaft	500	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
			1, 566, 660	6	12	Shaft	454	P. & R.	Machine	Motor	Steam	Machine	Closed	Yes
			636, 783	6	8	Shaft	442	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
			803, 625	6	8	Shaft	418	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
			886, 789	6	8, 10	Shaft	310	P. & R.	Machine	Motor	Steam	Hand	Closed	Yes
			859, 849	6	12	Shaft	450	P. & R.	Machine	Motor	Electric	Machine	Closed	Yes
			847, 189	6	7, 11	Shaft	600	P. & R.	Machine	Motor	Electric	Both	Closed	Yes
			699, 662	6	7. 6	Shaft	406	P. & R.	Machine	Both	Steam	Hand	Closed	Yes
			648, 988	6	9	Shaft	315	P. & R.	Machine	Motor	Steam	Both	Open	Yes
			588, 362	6	9. 6	Shaft	520	P. & R.	Machine	Motor	Steam	Both	Closed	Yes
			516, 956	6	9. 6	Shaft	520	P. & R.	Machine	Motor	Steam	Both	Closed	Yes
			498, 747	6	9. 6	Shaft	512	P. & R.	Both	Motor	Steam	Hand	Open	Yes
			392, 193	6	9	Shaft	572	P. & R.	Machine	Motor	Steam	Machine	Closed	Yes
			81, 758	6	8. 6	Shaft	460	P. & R.	Both	Motor	Steam	Both	Closed	Yes
			62, 445	6	8. 6	Shaft	607	P. & R.	Both	Motor	Steam	Both	Closed	Yes
			41, 552	6	9. 6	Shaft	607	P. & R.	Machine	Motor	Electric	Hand	Closed	Yes

5	Fulton County—Third District.	United Electric Coal Co., No. 9 Truax-Traer Coal Co., No. 1 Canton Coal Co., No. 2 Dorthie Coal Co., No. 2 Illinois Colliery Co., No. 1 Dorthie Coal Co., No. 3 Kawalt Coal Co., No. 1	Cuba..... St. David..... Canton..... Farmington..... Farmington..... Farmington..... Canton.....	393,437 375,702 272,711 122,676 35,889 24,718 5,048	5 5 5 5 5 5 5	4, 10 1/2 4, 6 4 4 4, 1 4 4, 8	Strip Strip Shaft Shaft Shaft Shaft Shaft	180 P. & R. 96 P. & R. 185 P. & R. 100 P. & R. 84 P. & R.	Machine Both Both Both Both Machine	Both Both Both Both Both	Steam Electric Electric Electric Electric	Hand Both Hand Hand Hand	Open Open Open Open Open	No No No No No	
6	Henry County—First District.		696,554												
	Midland Electric Coal Corp., No. 1 Shuler Coal Mining Co., No. 1	Atkinson..... Alpha.....	661,317 35,237	2 1	2, 9 4, 8	Strip Shaft	23 265 P. & R.	Hand	Mule		Electric	Hand	Open	No	
7	Jackson County—Ninth District.		1,892,008												
	Union Colliery Co., No. 1 Truax-Traer Coal Co., No. 2 Truax-Traer Coal Co., No. 1	Dowell..... Elkville..... Elkville.....	1,051,566 484,467 355,975	6 6 6	8, 5, 6 6	Shaft Strip Strip	260 P. & R.	Machine	Motor		Electric	Machine	Closed	Yes	
8	Knox County—Third District.		290,581												
	Galesburg Mining Co., No. 1	Galesburg.....	290,581	1	4, 6	Shaft	115 P. & R.	Both	Both		Steam	Hand	Open	No	
9	LaSalle County—First District.		170,324												
	Union Coal Co., No. 1 Illinois Zinc Co., No. 1	LaSalle..... Peru.....	109,138 61,186	2 2	3, 6 3, 6	Shaft Shaft	400 L. W. 336 L. W.	Machine Hand	Both Both		Electric Electric	Hand Hand	Open Closed	No No	
10	Logan County—Fourth District.		114,519												
	Brewerton Coal Co., No. 92	Lincoln.....	114,519	5	5, 2	Shaft	187 P. & R.	Hand	Both		Steam	Hand	Open	No	
11	Macon County—Fifth District.		82,274												
	Macon County Coal Co., No. 1	Decatur.....	82,274	5	4, 6	Shaft	600 L. W.	Machine	Both		Steam	Hand	Open	No	
12	Macoupin County—Sixth District.		3,984,432												
	Consolidated Coal Co., No. 15 Superior Coal Co., No. 4 Superior Coal Co., No. 3 Superior Coal Co., No. 2 Superior Coal Co., No. 1 Gillespie Coal Co., No. 1 Gillespie Coal Co., No. 5 Madison Coal Corp., No. 5 South Mine Coal Co., No. 1	Mt. Olive..... Gillespie..... Gillespie..... Gillespie..... Gillespie..... Gillespie..... Mt. Olive..... Carlinville.....	1,008,199 725,457 701,640 589,962 497,420 345,773 106,228 9,753	6 6 6 6 6 6 6 6	7, 6 7 7, 7 7, 5 7 7, 6 8 5, 6	Shaft Shaft Shaft Shaft Shaft Shaft Shaft Shaft	375 P. & R. 314 P. & R. 347 P. & R. 321 P. & R. 338 P. & R. 350 P. & R. 420 P. & R. 250 P. & R.	Machine Motor Machine Motor Machine Both Machine Both Machine Mule	Motor Motor Motor Both Both Both Both	Steam Steam Steam Steam Steam Electric Steam Steam	Machine Machine Both Machine Machine Machine Hand Hand	Open Open Open Open Open Open Open Open	No No No No No No No No		

TABLE 33.—Continued

No.	County, district name of operator and mine	Postoffice address of mine	Tons of coal produced	Num- ber of seam	Thick- ness of seam, feet	Shaft, slope drift or strip	Depth of shaft, feet	Long Wall or pillar and room	Min- ing, Hand machine or both	Haul- age, Motor mule or both	Hoist- ing, Steam or electric	Load- ing, Hand machine or both	Open or closed lights	Is mine rock dusted?
13	Madison County—Seventh District.		1,093,312											
	Mt. Olive & Staunton Coal Co., No. 2.	Staunton.	446,779	6	6.4	Shaft	320	P. & R.	Machine	Both	Steam	Machine	Open	No
	Lumaghi Coal Co., No. 2.	Collinsville.	310,026	6	8	Shaft	197	P. & R.	Machine	Both	Steam	Both	Open	No
	Madison Coal Corp., No. 2.	Glen Carbon.	145,616	6	7	Shaft	96	P. & R.	Machine	Both	Steam	Hand	Open	No
	Collinsville Coal Corp.	Collinsville.	57,123	6	6	Shaft	94	P. & R.	Hand	Mule	Steam	Hand	Open	No
	Troy Mining Co.	Troy.	56,788	6	5.6	Shaft	287	P. & R.	Machine	Both	Steam	Both	Open	No
	Bullock Mining Co.	Collinsville.	36,600	6	6.6	Shaft	185	P. & R.	Hand	Mule	Electric	Hand	Open	No
	Henrietta Coal Co., "Hen."	Edwardsville.	11,066	6	5.6	Shaft	175	P. & R.	Machine	Mule	Steam	Hand	Open	No
	Henrietta Coal Co., H. T.	Edwardsville.	10,965	6	5.6	Shaft	130	P. & R.	Machine	Both	Steam	Hand	Open	No
	Carlin Coal Co.	Bethalto.	8,412	6	4.8	Shaft	68	P. & R.	Machine	Mule	Electric	Hand	Open	No
14	Marion County—Seventh District.		360,576											
	Marion County Coal Co.	Centralia.	302,507	6	6.6	Shaft	600	P. & R.	Both	Both	Steam	Both	Open	No
	Odin Coal Co.	Odin.	58,069	6	6.6	Shaft	714	P. & R.	Both	Both	Steam	Hand	Open	No
15	Montgomery County—Sixth District.		1,255,432											
	Ind. Ill. Coal Co., No. 10.	Nokomis.	612,440	6	7.6	Shaft	640	P. & R.	Both	Motor	Electric	Both	Open	No
	Cosgrove Meehan Coal Co., No. 5.	Panama.	404,545	6	6.6	Shaft	383	P. & R.	Machine	Both	Steam	Machine	Open	No
	Hillsboro Coal Co.	Hillsboro.	238,447	6	7.6	Shaft	472	P. & R.	Machine	Motor	Steam	Machine	Open	No
16	Peoria County—Second District.		1,030,832											
	Crescent Mining Co., No. 6.	Peoria.	512,374	5	4.4	Slope		P. & R.	Machine	Both	Electric	Both	Open	No
	Crescent Mining Co., No. 1.	Peoria.	310,997	5	4.4	Slope		P. & R.	Machine	Both	Electric	Hand	Open	No
	Dorthel Coal Co., No. 1.	Hanna City.	168,324	5	4.4	Shaft	240	P. & R.	Machine	Both	Electric	Hand	Open	No
	Central West Coal Co.	Edwards.	39,137	5	3.8	Slope		P. & R.	Both	Both	Electric	Hand	Open	No
17	Perry County—Ninth District.		2,973,148											
	Pyramid Coal Corp.	Pinkneyville.	1,210,210	6	6	Strip								
	United Electric Coal Co., No. 11.	Duquoin.	816,659	6	7	Strip								
	Crerar Clinch Coal Co., No. 14.	Duquoin.	376,989	6	7	Shaft	412	P. & R.	Both	Both	Steam	Hand	Open	Yes
	Crerar Clinch Coal Co., No. 15.	Duquoin.	233,735	6	5	Strip								

Perfection Coal Co., No. 45	93, 730	6	6	Strip	167 P. & R.	Hand	Both	Steam	Hand	Open	Yes
Brewerton Coal Co., No. 45	68, 916	6	6	Shaft						Open	No
Coal Stripping Co., No. 45	55, 372	6	5	Strip						Open	No
Wilson Coal & Mining Co., No. 45	47, 684	6	6	Shaft	120 P. & R.	Both	Both	Steam	Both	Open	No
Perry Coal Co., "Percy"	34, 977	6	7	Shaft	287 P. & R.	Both	Both	Electric	Both	Open	No
Conterville	19, 936	6	7	Shaft	285 P. & R.	Both	Both	Steam	Both	Open	No
Swanwick	8, 850	6	5	Shaft	80 P. & R.	Machine	Mule	Steam	Hand	Open	No
Bailey Bros.	6, 090	6	5	Shaft	238 P. & R.	Hand				Open	No
Tamara Coal Co.											
18 Putnam County—First District.	13, 387										
Prairie State Coal Co.	13, 387	2	3	Shaft	500 L. W.	Hand	Mule	Steam	Hand	Open	No
19 Randolph County—Ninth District.	426, 289										
Moffatt Coal Co.	291, 900	6	6	Shaft	140 P. & R.	Machine	Both	Steam	Both	Open	No
St. Louis Coal Co.	96, 342	6	6	Shaft	196 P. & R.	Machine	Both	Steam	Both	Open	No
Jones Bros. Coal Mining Co., No. 2	38, 947	6	6	Shaft	180 P. & R.	Hand				Open	No
20 Saline County—Eleventh District.	2, 957, 019										
Peabody Coal Co., No. 47	579, 985	5	5	Shaft	420 P. & R.	Machine	Motor	Steam	Hand	Closed	Yes
O'Gara Coal Co., No. 1	342, 239	5	5	Shaft	311 P. & R.	Machine	Both	Steam	Both	Open	No
Wasson Coal Co., No. 1	387, 053	5	5	Shaft	325 P. & R.	Machine	Both	Steam	Both	Open	Yes
Peabody Coal Co., No. 43	371, 424	5	5	Shaft	267 P. & R.	Machine	Motor	Steam	Both	Closed	Yes
O'Gara Coal Co., No. 3	343, 048	5	5	Shaft	245 P. & R.	Machine	Both	Steam	Both	Open	No
O'Gara Coal Co., No. 10	217, 079	5	5	Shaft	406 P. & R.	Machine	Both	Steam	Both	Open	No
Rex Coal Co.	214, 157	5	6	Shaft	465 P. & R.	Machine	Motor	Steam	Machine	Closed	No
Blue Bird Coal Co.	196, 468	5	6	Strip							
Wasson Coal Co., No. 2	44, 150	5	4	Slope	50 P. & R.	Machine	Motor	Electric	Machine	Open	Yes
O'Gara Coal Co., No. 12	38, 411	5	5	Shaft	413 P. & R.	Machine	Both	Steam	Hand	Open	No
Harrisburg	23, 005	5	6	Slope	50 P. & R.	Machine				Open	No
Harrisburg Coal Mining Co., No. 9											
21 Sangamon County—Fourth District.	3, 218, 458										
Peabody Coal Co., No. 59	502, 100	5	5	Shaft	239 P. & R.	Machine	Both	Steam	Machine	Open	Yes
Panther Creek Mines, No. 1	456, 238	6	7	Shaft	270 P. & R.	Both	Motor	Steam	Hand	Open	No
Peabody Coal Co., No. 57	443, 573	5	6	Shaft	220 P. & R.	Both	Both	Electric	Hand	Open	Yes
Mine "B" Coal Co.	330, 175	5	6	Shaft	208 P. & R.	Hand	Both	Steam	Hand	Open	No
Riverton	286, 240	5	5	Shaft	235 P. & R.	Machine	Both	Steam	Both	Open	Yes
Peabody Coal Co., No. 52	267, 678	5	5	Shaft	210 P. & R.	Machine	Both	Steam	Machine	Open	Yes
Peabody Coal Co., No. 51	260, 651	6	5	Shaft	250 P. & R.	Machine	Both	Electric	Both	Open	Yes
Peabody Coal Co., No. 53	228, 788	5	5	Shaft	185 P. & R.	Machine	Both	Steam	Both	Open	No
Central Ill. Coal Mining Co.	194, 826	5	5	Shaft	265 P. & R.	Hand	Both	Electric	Hand	Open	No
Sangamon Coal Co., No. 2	175, 714	5	5	Shaft	156 P. & R.	Hand	Both	Steam	Hand	Open	No
Panther Creek Mines, No. 4	19, 181	5	5	Shaft	175 P. & R.	Hand	Both	Steam	Hand	Open	No
Panther Creek Mines, No. 3		5	6	Shaft			Both	Steam	Hand	Open	No
Panther Creek Mines, No. 5	53, 294	5	5	Shaft	250 P. & R.	Hand	Both	Steam	Hand	Open	No

TABLE 33—Concluded

No.	County, district, name of operator and mine	Postoffice address of mine	Tons of coal produced	Num- ber of seam	Thick- ness of seam, feet	Shaft, slope of drift or strip	Depth of shaft, or feet	Long Wall or pillar and room	Min- ing, Hand machine or both	Haul- age, Motor mule or both	Hoist- ing, Steam or Electric	Load- ing, Hand machine or both	Open or closed lights	Is mine rock dusted?
22	Shelby County—Sixth District.		23,507											
	Moweaqua Coal Corp., No. 1.	Moweaqua.	23,507	5	5.2	Shaft	620	P. & R.	Both	Both	Steam	Hand	Open	No
23	St. Clair County—Eighth District.		2,430,146											
	United Electric Coal Co., No. 13.	Freeburg	368,904	6	6.6	Strip	212	P. & R.	Machine	Both	Steam	Hand	Open	No
	St. Louis & O'Fallon Coal Co., No. 2.	E. St. Louis.	301,319	6	6.6	Shaft	50	P. & R.	Machine	Both	Electric	Machine	Open	No
	Alcoa Ore Co.	Belleville	270,808	6	6	Shaft	210	P. & R.	Both	Both	Steam	Machine	Open	No
	Perry Coal Co., "St. Ellen"	O'Fallon	247,217	6	7.6	Shaft	121	P. & R.	Hand	Both	Steam	Machine	Open	No
	Southern Coal, Coke & Mining Co., No. 7	Belleville	148,891	6	6.6	Shaft	200	P. & R.	Machine	Both	Steam	Machine	Open	No
	Perry Coal Co., "Taylor"	O'Fallon	148,770	6	7	Shaft	187	P. & R.	Machine	Both	Electric	Machine	Open	No
	Gundlach Coal Co.	E. St. Louis.	127,245	6	6	Drift	150	P. & R.	Machine	Both	Steam	Machine	Open	No
	Perry Coal Co., "Carbon"	O'Fallon	103,386	6	7.6	Shaft	90	P. & R.	Hand	Both	Steam	Both	Open	No
	Mulberry Hill Coal Co.	Freeburg	103,322	6	7.6	Shaft	118	P. & R.	Hand	Both	Steam	Both	Open	No
	Vinegar Hill Coal Co.	Lenzburg	84,062	6	6.8	Shaft	60	P. & R.	Hand	Both	Steam	Both	Open	No
	Service Coal Co.	Belleville	73,652	6	6.10	Shaft	212	P. & R.	Both	Both	Steam	Machine	Open	No
	Golden Rule Coal Co.	Lenzburg	70,148	6	6	Shaft	140	P. & R.	Hand	Both	Steam	Hand	Open	No
	Groom Coal Co.	Belleville	55,670	6	6.10	Shaft	86	P. & R.	Hand	Both	Steam	Hand	Open	Yes
	Prairie Coal Co.	Belleville	51,597	6	6	Shaft	250	P. & R.	Machine	Both	Electric	Machine	Open	No
	Power Coal Co.	Freeburg	38,482	6	6.6	Shaft	209	P. & R.	Machine	Both	Steam	Machine	Open	No
	Lenzburg Coal Co.	Lenzburg	34,196	6	6	Slope	60	P. & R.	Both	Both	Electric	Machine	Open	No
	White Coal Co.	Belleville	31,603	6	6.6	Shaft	180	P. & R.	Both	Both	Electric	Machine	Open	No
	New National Coal & Mining Co.	Belleville	31,532	6	7	Shaft	120	P. & R.	Hand	Mule	Electric	Machine	Open	No
	Quality Coal & Mining Co.	Belleville	26,261	6	7.6	Shaft	170	P. & R.	Hand	Mule	Steam	Both	Open	No
	Jones Bros. Coal & Mining Co.	Marissa	22,440	6	7.2	Shaft	110	P. & R.	Hand	Mule	Steam	Machine	Open	No
	Kolb Coal Co., No. 2	Mascottah	21,633	6	7	Shaft	114	L. W.	Machine	Both	Steam	Machine	Open	No
	Eldnar Coal Co.	Belleville	16,300	6	6.6	Shaft	185	P. & R.	Hand	Mule	Steam	Machine	Open	No
	Enterprise Coal & Mining Co.	Belleville	8,959	6	7	Shaft	150	P. & R.	Hand	Mule	Steam	Machine	Open	Yes
	Summit Coal Co.	Belleville	7,544	6	7	Shaft								
	Okay Coal & Mining Co.	Marissa	4,922	6	6.6	Shaft								
24	Tazewell County—Second District.		251,344											
	Lake Erie Mining Co.	Peoria.	215,362	5	4.2	Slope								No
	Ubben Coal Co.	Pekin.	35,982	5	4.6	Shaft	90	P. & R.	Machine	Both	Electric	Hand	Open	No

TABLE 34—SUMMARY OF THE VARIOUS SEAMS OF COAL, KIND OF OPENING, MANNER OF WORKING AND TONS PRODUCED

Number of seam	Number of		Kind of opening				Manner of working		Production in tons
	Counties	Mines	Shaft	Drift	Slope	Strip	P. R.	L. W.	
One.....	2	2	2	.....	.....	.....	2	.....	325,818
Two.....	5	6	4	.....	.....	2	1	3	1,869,744
Three.....	1	1	1	.....	.....	.....	.....	1	12,231
Five.....	10	44	31	.....	9	3	40	1	8,962,681
Six.....	17	110	96	1	3	10	97	2	30,761,555
Seven.....	2	4	1	2	1	1	4	.....	1,141,029
Total.....	37	167	135	3	13	16	144	7	43,073,058

TABLE 35—FATAL ACCIDENTS

Name of person killed	Age	Occupation	Residence	Date of death	Cause of death	By whom employed
Alice, Bartista.....	58	Miner.....	Benld.....	May.....	1 Falling coal.....	Superior Coal Co., No. 1
Anderson, Charles.....	53	Driver.....	Millersville.....	Feb.....	25 Falling coal.....	Penwell Coal Co.
Arms, William.....	53	Laborer.....	Marion.....	Sept.....	20 Falling coal.....	Peabody Coal Co., No. 18
Austin, A. D.....	40	Miner.....	Harrisburg.....	Mar.....	13 Falling coal.....	O'Gorman Coal Co., No. 1
Avery, Nan.....	22	Triprider.....	W. Frankfort.....	Aug.....	14 Falling coal.....	C. W. & F. Coal Co., No. 2
Banjura, Mike.....	64	Laborer.....	Williamson.....	Aug.....	24 Falling slate.....	Mt. Olive & Staunton Coal Co.
Baxter, James G.....	49	Driver.....	Canton.....	Apr.....	25 Pit cars.....	Rawlett Coal Co.
Beatonis, Charles.....	67	Loader.....	W. Frankfort.....	Feb.....	23 Falling coal.....	Old Ben Coal Corp., No. 8
Blankenship, Barney.....	43	Macnuchman.....	W. Frankfort.....	May.....	13 Falling coal.....	Peabody Coal Co., No. 18
Bone, William.....	50	Driller.....	Desoto.....	Dec.....	24 Falling coal.....	Union Col. Co.
Brown, Antwin.....	47	Miner.....	Coutterville.....	Sept.....	19 Fell on rail.....	St. Louis Coal Co.
Brown, E. G.....	45	Asst. Manager.....	Sparta.....	Apr.....	8 Pit cars.....	Mofat Coal Co.
Chamness, Roy.....	51	Macnuchman.....	Marion.....	Apr.....	8 Pit cars.....	Cosgrove-Meehan Coal Co., No. 3
Collins, Frank.....	98	Miner.....	Danville.....	Sept.....	27 Falling rock.....	V. J. Dowdatt & Sons
Collins, Roscoe.....	24	Miner.....	Belleville.....	Jan.....	3 Falling slate.....	Wasson Coal Co., No. 1
Cook, End.....	25	Triprider.....	Eldorado.....	Feb.....	5 Falling rock.....	C. W. & F. Coal Co., "A"
Crompton, John.....	47	Miner.....	Herrin.....	May.....	6 Falling rock.....	Logan Highway Coal Co.
Davis, Robert.....	20	Miner.....	Eldorado.....	Apr.....	19 Shot explosion.....	Superior Coal Co., No. 3
Demestrie, Bernard.....	74	Miner.....	Belleville.....	Oct.....	1 Falling rock.....	Southern Coal Co., No. 6
Dickerson, Frank.....	30	Miner.....	Gillespie.....	Apr.....	27 Falling roof.....	Superior Coal Co., No. 3
Dickerto, James.....	37	Miner.....	Dowell.....	May.....	24 Electrocutted.....	Union Col. Co.
Downey, William.....	38	Laborer.....	Ridgway.....	June.....	26 Falling rock.....	Logan Highway Coal Co.
Eaton, Edward.....	34	Truckman.....	Duquoin.....	May.....	28 Falling rock.....	Union Col. Co.
Eder, John J.....	37	Truckman.....	Georgetown.....	Jan.....	12 Falling rock.....	Peabody Coal Co., No. 24
England, Harry.....	44	Miner.....	Girard.....	Feb.....	10 Motor.....	Panther Creek Coal Co., No. 1
Fassero, Angelo.....	42	Miner.....	Kincaid.....	May.....	19 Falling clod.....	Peabody Coal Co., No. 8
Getzie, Steve.....	32	Load Mchn. Opr.....	Dowell.....	Sept.....	29 Falling rock.....	Union Col. Co.
Hawkins, Earl.....	60	Miner.....	Centralla.....	Jan.....	27 Falling coal.....	Centralla Coal Co.
Healy, Ezra.....	38	Miner.....	Gaskin City.....	Dec.....	19 Pit cars.....	Harrisburg Coal Co., No. 9
Humphrey, Robert.....	64	Laborer.....	Harrisburg.....	June.....	23 Pit cars.....	Peabody Coal Co., No. 19
Hurck, John.....	42	Macnuchman.....	Taylorville.....	Feb.....	15 Falling coal.....	Wasson Coal Co., No. 1
Inglis, James.....	38	Triprider.....	Galatia.....	Jan.....	9 Pit cars.....	Consolidated Coal Co., No. 7
Jones, Bert.....	30	Miner.....	Kincaid.....	May.....	7 Motor.....	Peabody Coal Co., No. 47
Kear, Andrew, Jr.....	47	Miner.....	Coal Valley.....	Jan.....	29 Falling rock.....	Peabody Coal Co., No. 7
Kindelsperger, A.....	42	Miner.....	Freeburg.....	July.....	30 Falling slate.....	Mielke Bros.
Koester, Walter.....	66	Miner.....	E. St. Louis.....	Jan.....	21 Falling slate.....	St. Louis & O'Fallon Coal Co.
Krepick, Leopold.....	27	Triprider.....	Zetgler.....	Sept.....	28 Pit cars.....	Bell & Zollner Coal Co., No. 2

TABLE 35—Concluded

Name of person killed	Age	Occupation	Residence	Date of death	Cause of death	By whom employed
Legendere, Theso.....	61	Mine manager.....	New Athens.....	July.....	13 Pit cars.....	Vinegar Hill Coal Co.
Lewis, Zimri F.....	54	Timberman.....	Georgetown.....	Nov.....	2 Falling rock.....	U. S. Fuel Co., "Bunson"
Love, Lawrence.....	24	Triprider.....	Royalton.....	Sept.....	14 Pit car & Rib.....	Franklin Co. Coal Co., No. 7
MacKiney, William.....	27	Loader.....	Tovey.....	Dec.....	2 Falling coal.....	Peabody Coal Co., No. 8
Madison, John.....	47	Miner.....	Chesterfield.....	Oct.....	6 Falling cage.....	Rennie Bros.
Manschbaugh, J.....	55	Miner.....	Peoria.....	Mar.....	30 Electrocuted.....	Lea Bros.
Mario, Mike.....	51	Machineman.....	Mt. Olive.....	Jan.....	17 Falling coal.....	Consolidated Coal Co., No. 15
Martin, J. C.....	53	Loader.....	Kedron.....	Sept.....	15 Falling coal.....	J. C. Martin mine
Mathis, A. J.....	56	Miner.....	W. Frankfort.....	Oct.....	19 Falling coal.....	Old Ben Coal Corp., No. 15
Mathis, Dorsey.....	38	Motorman.....	Duquoin.....	May.....	28 Gas explosion.....	Union Col. Co.
Miller, Winnie.....	51	Miner.....	Ridgway.....	Mar.....	12 Shot explosion.....	Logan Highway Coal Co.
Mitchell, Joseph.....	58	Miner.....	Benld.....	Nov.....	28 Falling coal.....	Superior Coal Co., No. 4
Mitchell, W. E.....	76	Miner.....	Eldorado.....	Nov.....	27 Falling slate.....	O'Gara Coal Co., No. 10
Moore, Lee R.....	77	Timberman.....	Danville.....	Feb.....	18 Motor.....	Hegeler Zinc Co.
Murray, Roy.....	26	Triprider.....	Herrin.....	Oct.....	6 Pit cars.....	Consolidated Coal Co., No. 7
McMullen, John.....	48	Miner.....	E. St. Louis.....	Dec.....	24 Falling coal.....	Perry Coal Co., "St. Ellen"
Nier, Isaac Earl.....	29	Loader.....	Grape Creek.....	May.....	25 Falling coal.....	Peabody Coal Co., No. 24
Nina, Angelo.....	56	Loader.....	W. Frankfort.....	Mar.....	11 Falling coal.....	Old Ben Coal Corp., No. 8
Niniz, Otto.....	57	Loader.....	W. Frankfort.....	Dec.....	19 Falling coal.....	Old Ben Coal Corp., No. 8
Pankey, George.....	67	Miner.....	Carrier Mills.....	Jan.....	27 Electrocuted.....	O'Gara Coal Co., No. 12
Patrick, Ely.....	30	Triprider.....	Harrisburg.....	Sept.....	13 Motor.....	Peabody Coal Co., No. 47
Pini, Domenic.....	62	Miner.....	Ladd.....	Oct.....	21 Falling rock.....	Union Col. Co.
Pitts, Gustavus A.....	59	Carpenter.....	Decatur.....	Nov.....	5 Fell off ladder.....	Macon Col. Coal Co.
Powell, Charley.....	62	Miner.....	Harrisburg.....	Sept.....	25 Falling slate.....	Peabody Coal Co., No. 47
Pratt, James.....	65	Trapper.....	Peoria.....	Aug.....	24 Pit cars.....	Crescent Mining Co., No. 1
Pye, Thomas.....	41	Miner.....	Pocahontas.....	Dec.....	29 Electrocuted.....	Pocahontas Mining Co.
Pye, Dewey.....	31	Miner.....	E. Peoria.....	Dec.....	15 Electrocuted.....	Coal Creek Coal Co.
Rennie, Hugh.....	55	Operator.....	Chesterfield.....	Oct.....	3 Falling cage.....	Rennie Bros.
Rinkus, William.....	51	Operator.....	Chesterfield.....	Oct.....	3 Falling cage.....	Rennie Bros.
Rinkus, John.....	43	Machineman.....	Johnston City.....	Oct.....	7 Falling cage.....	Rennie Bros.
Ross, Irvin.....	46	Laborer.....	Coulterville.....	Dec.....	7 Electrocuted.....	Old Ben Coal Corp., No. 18
Sensky, Peter.....	42	Machineman.....	Georgetown.....	Mar.....	6 Railway cars.....	Old Ben Coal Co.
Serewin, John.....	42	Machineman.....	Georgetown.....	July.....	19 Mining machine.....	U. S. Fuel Co., "Verm."
Shiple, Sylvester.....	58	Trackman.....	Kincaid.....	Jan.....	15 Falling slate.....	Peabody Coal Co., No. 7
Simpson, Clarence.....	47	Trackman.....	Pocahontas.....	Jan.....	17 Mining machine.....	Pocahontas Mining Co.
Skowron, Clarence.....	39	Machineman.....	Herrin.....	July.....	17 Falling coal.....	Carterville, Herrin Coal Co.
Stuebe, Charles S.....	60	Laborer.....	Royalton.....	Aug.....	21 Falling coal.....	Franklin Co. Coal Co., No. 7
Teague, Albert.....	54	Laborer.....	Danville.....	Nov.....	10 Falling rock.....	Peabody Coal Co., No. 24
Teague, Jos. M.....	56	Mine manager.....	W. Frankfort.....	Nov.....	10 Falling rock.....	Old Ben Coal Corp., No. 8
Tread, Earl.....	40	Mch. operator.....	Marissa.....	Aug.....	28 Caught by cage.....	Jones Bros. Coal Co., No. 1
Tucker, John R.....	37	Miner.....	Glen Ridge.....	Sept.....	6 Falling slate.....	Marion Co. Coal Co.
			Eldorado.....	Feb.....	17 Falling coal.....	Wasson Coal Co., No. 1

Turner, August.....	36	Motorman.....	Collinsville.....	Aug.	6	Struck by Jack handle.....	Lumaghi Coal Co.
Ubls, William.....	35	Driller.....	Buckner.....	Oct.	13	Gas explosion.....	Old Ben Coal Corp., No. 14
Viano, Dominic.....	54	Miner.....	Morris.....	Aug.	28	Blood poison.....	Canton Coal Co.
Van Gerrielen, Herman.....	55	Miner.....	Breese.....	May	16	Falling coal.....	Breese Trenton Coal Co.
Watson, Richard.....	45	Miner.....	Harrisburg.....	May	24	Falling rock.....	Peabody Coal Co., No. 47
White, James E.....	28	Driver.....	Decatur.....	Sept.	24	Pit cars.....	Macon Co. Coal Co.
Wilson, Roller.....	33	Miner.....	Eldorado.....	July	21	Falling coal.....	Franklin Co. Coal Co., No. 10
Wonsavage, Walter.....	58	Miner.....	Lincoln.....	Oct.	16	Falling slate.....	Brewerton Coal Co., No. 92
Yarambo, Pete.....	53	Miner.....	Rudd.....	Apr.	7	Falling rock.....	Superior Coal Co., No. 2
Zedrick, Emil.....	19	Miner.....	St. David.....	Jan.	2	Falling slate.....	Galesburg Mining Co.

TABLE 36—FATAL ACCIDENTS BY DISTRICTS AND CAUSES

Districts	Underground						In shaft		On surface			Grand total	
	Falls of roof and sides	Gas explosions	Haulage	Electricity	Explosives	Other causes	Total	Cage	Total	Fall of person	Railway cars		Total
First.....	2						2						2
Second.....			1	2			3						3
Third.....	1		1			1	3						3
Fourth.....	6		2				8						8
Fifth.....	5		2			1	8			1		1	9
Sixth.....	6						6	3	3				9
Seventh.....	2			1		2	5						5
Eighth.....	6		1				7	1	1				8
Ninth.....	9	1		1		1	13				1	1	13
Tenth.....	9	1	3				13						13
Eleventh.....	10		3	1	2		16						16
Twelfth.....	2		2	1			5						5
Total.....	54	2	15	6	2	5	84	4	4	1	1	2	90
Percentages.....	60	2.2	16.7	6.7	2.2	5.6	93.3	4.4	4.4	1.1	1.1	2.2	100

TABLE 37—FATAL ACCIDENTS BY OCCUPATION AND CAUSES

Districts	Underground						In shaft		On surface			Grand total	
	Falls of roof and sides	Gas explosions	Haulage	Electricity	Explosives	Other causes	Total	Cage	Total	Fall of person	Railway cars		Total
Carpenter.....										1		1	1
Driver.....	1		2				3						3
Laborer.....	6			1			7						7
Loader.....	6					1	7				1	1	8
Machine man.....	7		1	1		1	10						10
Mine manager.....	2		1				3						3
Miner.....	26			4	2	2	34	2	2				36
Mine operator.....								2	2				2
Motorman.....	1	2	3			1	7						7
Timberman.....	1		1				2						2
Trackman.....	2		1				3						3
Trapper.....			1				1						1
Trip rider.....	2		5				7						7
Total.....	54	2	15	6	2	5	84	4	4	1	1	2	90

TABLE 38—FATAL ACCIDENTS BY MONTHS

District	Months												Total
	January	February	March	April	May	June	July	August	September	October	November	December	
First.....							1			1			2
Second.....			1					1				1	3
Third.....	1			1				1					3
Fourth.....	1	3			2					1		1	8
Fifth.....	1	1			1		1		2		3		9
Sixth.....				2	2	1				3	1		9
Seventh.....								2	1			1	5
Eighth.....	2				1		2	1		1			8
Ninth.....		1	1	2	2							1	9
Tenth.....		1	1		1			2	3	1	2	2	13
Eleventh.....	3	2	2	1	1	2	1		3		1		16
Twelfth.....				1	1		1			1		1	5
Total.....	9	8	5	7	11	3	6	7	11	8	7	8	90

TABLE 39—NUMBER KILLED, NUMBER MARRIED, SINGLE, WIDOWS, CHILDREN, DEPENDENTS, TONS MINED AND NUMBER EMPLOYED TO ONE FATALITY, NUMBER KILLED PER 1,000,000 TONS MINED AND PER 1,000 EMPLOYED

District	Number killed	Conjugal relations					Tons mined to one killed	Number employed to one killed	Number killed	
		Married	Single	Widows	Children	Dependents			Per 1,000,000 tons mined	Per 1,000 employed
First.....	2	2		2	4	6	1,108,902	1,034	0.9	1.0
Second.....	3	1	2	1		1	540,372	1,091	1.8	0.9
Third.....	3	2	1	2	5	7	598,334	788	1.7	1.3
Fourth.....	8	2	7	7	7	14	818,391	1,015	1.2	1.0
Fifth.....	9	8	1	7	11	19	292,414	379	3.4	2.6
Sixth.....	9	2	2	7	3	12	589,465	563	1.7	1.8
Seventh.....	5	2	3	2	8	11	314,644	456	3.2	2.2
Eighth.....	8	6	2	6	9	16	370,269	429	2.7	2.3
Ninth.....	9	9		9	20	29	642,458	439	1.6	2.3
Tenth.....	13	9	4	9	15	26	733,200	774	.9	1.3
Eleventh.....	16	11	5	11	22	33	188,630	292	5.3	3.4
Twelfth.....	5	5		5	8	13	433,502	969	2.3	1.0
Total....	90	69	21	69	112	187	501,696	595	2.0	1.7

TABLE 40—CAUSE OF FATAL ACCIDENTS BY YEARS—1882-1931

Year	Total number killed	Underground						In shaft				On surface			
		Falls of roof and sides	Gas explosions	Haulage	Electricity	Explosives	Other causes	Falling down shaft	Cage	Other causes	Total	Machinery	Railway cars	Other causes	Total
1882	40	26	..	..	..	5	9	40	..	..	..	..	..	..	..
1883	134	40	12	2	..	5	a 78	134	..	..	..	..	..	..	..
1884	46	29	4	..	..	6	7	46	..	..	..	..	..	..	..
1885	39	20	..	..	..	..	b 19	39	..	..	..	..	..	..	..
1886	52	32	..	5	..	10	..	47	1	4	5	..	..	..	..
1887	41	28	..	..	..	..	b 13	41	..	..	..	..	..	..	..
1888	55	33	..	6	..	9	..	48	4	2	6	..	..	..	..
1889	42	26	..	5	..	3	1	35	2	4	1	7	..	..	..
1890	53	36	5	3	..	4	..	48	4	4	4	..	..	..	..
1891	60	33	4	2	..	11	1	51	1	4	2	7	..	..	..
1892	57	28	3	6	..	4	3	44	8	4	12	..	..	..	..
1893	69	48	2	2	..	6	2	60	3	4	1	8	..	..	..
1894	72	43	..	6	..	8	..	57	5	8	13	..	..	..	..
1895	75	38	5	6	..	12	2	63	5	4	10	1	1	..	2
1896	77	41	2	9	..	9	2	63	6	5	11	1	1	1	3
1897	69	46	2	1	..	11	..	60	6	..	1	7	1	1	2
1898	75	43	7	3	..	11	2	66	4	2	6	1	1	1	3
1899	84	51	5	6	..	6	6	74	4	5	9	..	1	1	1
1900	94	51	1	11	..	20	..	83	1	4	2	7	2	2	4
1901	99	57	1	14	..	20	3	95	1	1	2	..	..	2	2
1902	99	55	..	15	..	17	1	88	7	2	2	..	..	2	2
1903	156	77	8	18	1	41	2	147	2	6	8	..	..	1	1
1904	157	65	..	21	1	44	3	134	10	4	14	6	2	1	9
1905	199	80	59	11	1	32	3	186	5	6	12	..	1	..	1
1906	155	84	2	22	..	22	1	131	9	5	15	3	4	2	9
1907	165	84	4	29	1	25	2	145	6	8	14	..	4	2	6
1908	183	91	7	35	1	29	1	164	3	1	7	4	8	..	12
1909	213	84	44	30	2	29	1	190	5	4	10	3	8	2	13
1910	406	65	20	23	3	17	258	386	3	6	9	3	5	3	11
1911	157	80	8	40	1	10	4	143	5	2	9	..	2	3	5
1912	180	98	3	38	3	13	12	167	6	3	9	..	2	2	4
1913	175	81	10	50	6	10	5	162	5	4	10	..	2	1	3
1914	159	83	6	40	6	6	7	148	2	1	3	..	4	4	8
1915	180	57	68	27	2	9	12	175	1	..	2	3	2	..	2
1916	165	80	12	43	4	13	1	153	4	..	4	2	6	..	8
1917	207	77	19	67	7	12	3	185	..	4	1	5	9	3	17
1918	259	100	27	70	13	20	4	234	8	8	2	18	..	4	7
1919	208	93	31	51	7	12	1	195	4	4	2	10	..	2	3
1920	181	91	7	41	14	9	5	167	8	2	10	1	2	1	4
1921	222	112	6	54	9	20	8	209	2	4	6	1	4	2	7
1922	159	71	15	29	8	17	7	147	2	1	3	6	..	5	6
1923	161	82	2	40	6	13	6	149	3	1	5	..	4	3	7
1924	184	76	40	37	5	10	8	176	2	..	2	4	2	..	4
1925c	183	89	5	46	12	11	9	172	1	2	3	3	3	2	8
1926	165	85	13	39	5	7	4	153	7	1	9	1	1	1	3
1927	106	44	17	18	5	5	8	97	3	1	4	2	2	1	5
1928	139	72	23	21	2	6	5	129	1	1	2	1	4	3	8
1929	109	52	8	24	5	6	5	100	1	2	3	2	2	2	6
1930	112	72	4	20	3	2	5	106	..	1	1	1	2	2	5
1931	90	54	2	15	6	2	5	84	..	4	4	..	1	1	2

a. Sixty-nine men were drowned in the Braidwood mine disaster.

b. Other causes not classified.

c. From July 1, 1924, to December 31st, 1925.

TABLE 41—MINES WHERE FATALITIES OCCURRED—SHOWING NUMBER KILLED, OUTPUT OF MINES, NUMBER EMPLOYED, RATIO OF FATALITIES PER OUTPUT AND EMPLOYEES, METHOD OF MINING, UNDERGROUND, HAULAGE, LOADING, ETC.

No.	Operator	Number			Tons mined to one fatality	Employees to one man killed	Mining		Haulage	Loading	Lights	Is mine rock dusted?
		Killed	Tons mined	Em- ployees			Hand machine, both	Motor, both				
1	Alcoa Ore Co.	1	270,808	176	270,808	176	Machine	Both	Machine	Hand	Open	No
2	Bell & Zeller Mining Co., No. 2	1	859,849	1,046	859,849	1,046	Machine	Motor	Hand	Machine	Closed	Yes
3	Bressee-Trean Mining Co., "N"	1	150,864	151	150,864	151	Machine	Both	Machine	Hand	Open	No
4	Brewerton Coal Co., No. 92	1	114,519	213	114,519	213	Hand	Both	Hand	Machine	Open	No
5	Canton Coal Co.	1	272,711	305	272,711	305	Machine	Both	Hand	Both	Open	No
6	Cartersville-Herrin Coal Co.	1	306,302	362	306,302	362	Both	Motor	Both	Machine	Open	No
7	Centralia Coal Co.	1	292,628	206	292,628	206	Machine	Motor	Machine	Machine	Closed	Yes
8	C. W. & F. Coal Co., No. 2	1	1,566,660	1,224	1,566,660	1,224	Machine	Motor	Machine	Machine	Open	Yes
9	C. W. & F. Coal Co., "A"	1	91,713	350	91,713	350	Machine	Motor	Machine	Both	Open	No
10	Consolidated Coal Co., No. 7	1	306,021	430	306,021	430	Machine	Motor	Machine	Both	Open	No
11	Consolidated Coal Co., No. 15	2	1,008,199	403	504,100	201	Machine	Motor	Machine	Machine	Open	No
12	Cosgrove-McLean Coal Co., No. 3	1	100,864	351	100,864	351	Machine	Both	Machine	Machine	Closed	Yes
13	Crescent Coal Mining Co., No. 1	1	310,997	406	310,997	406	Machine	Both	Hand	Machine	Open	No
14	Franklin Co. Coal Co., No. 7	2	588,362	638	294,181	319	Machine	Motor	Both	Both	Open	Yes
15	Galesburg Coal Co.	1	290,581	300	290,581	300	Both	Both	Hand	Both	Open	No
16	Harrisburg Coal Co., No. 9	1	23,005	149	23,005	149	Machine	Both	Hand	Hand	Open	No
17	Jones Bros. Coal Co., No. 1	1	22,440	74	22,440	74	Machine	Mule	Hand	Hand	Open	No
18	Lumagin Coal Co., No. 2	1	310,026	246	310,026	246	Machine	Both	Both	Both	Open	No
19	Macon Co. Coal Co.	2	82,274	255	41,137	127	Machine	Both	Both	Both	Open	No
20	Marion Co. Coal Co.	1	302,507	221	302,507	221	Both	Both	Both	Both	Open	No
21	Moffat Coal Co.	1	291,900	390	291,900	390	Machine	Both	Both	Machine	Open	No
22	Mt. Olive & Staunton Coal Co., No. 2	1	446,779	329	446,779	329	Machine	Both	Hand	Machine	Open	No
23	O'Gara Coal Co., No. 1	1	542,239	626	542,239	626	Machine	Both	Both	Both	Open	No
24	O'Gara Coal Co., No. 10	1	217,079	308	217,079	308	Machine	Both	Both	Both	Open	No
25	O'Gara Coal Co., No. 12	1	38,411	415	38,411	415	Machine	Both	Hand	Hand	Open	No
26	Old Ben Coal Corp., No. 8	4	903,625	604	225,906	151	Machine	Motor	Machine	Machine	Closed	Yes
27	Old Ben Coal Corp., No. 14	1	847,189	710	847,189	710	Machine	Motor	Machine	Machine	Closed	Yes
28	Old Ben Coal Corp., No. 15	1	886,789	539	886,789	539	Machine	Motor	Machine	Machine	Closed	Yes
29	Old Ben Coal Corp., No. 18	1	165,238	770	165,238	770	Machine	Motor	Both	Both	Open	Yes
30	Panther Creek Mines, No. 1	1	456,238	700	456,238	700	Both	Motor	Hand	Hand	Open	No
31	Peabody Coal Co., No. 7	2	740,218	446	370,109	223	Machine	Motor	Machine	Machine	Open	Yes
32	Peabody Coal Co., No. 8	1	803,470	1,104	401,735	552	Machine	Motor	Hand	Hand	Open	No
33	Peabody Coal Co., No. 18	2	392,193	457	196,096	228	Machine	Motor	Machine	Machine	Closed	Yes

TABLE 41—Concluded

No.	Operator	Number			Tons mined to one fatality	Employees to one man killed	Mining	Haulage	Loading	Lights	Is mine rock dusted?
		Killed	Tons mined	Em- ployees							
34	Peabody Coal Co., No. 19	1	648,988	692	648,988	692	Machine	Both	Hand	Closed	Yes
35	Peabody Coal Co., No. 24	3	645,363	422	215,121	141	Both	Both	Both	Open	No
36	Peabody Coal Co., No. 47	4	579,985	923	144,996	231	Machine	Motor	Machine	Closed	Yes
37	Peabody Coal Co., No. 58	1	467,675	359	467,675	359	Machine	Motor	Machine	Open	Yes
38	Penwell Coal Co.	1	100,571	343	100,571	343	Both	Both	Hand	Open	No
39	Perry Coal Co., "St. Ellen"	1	247,217	147	247,217	147	Machine	Both	Machine	Open	No
40	Pochohantas Mining Co.	2	52,018	192	26,009	96	Machine	Both	Both	Open	No
41	Rawalt Coal Co.	1	5,048	9	5,048	9	Machine	Both	Hand	Open	No
42	Rex Coal Co.	1	214,157	264	214,157	264	Machine	Motor	Machine	Closed	No
43	St. Louis & O'Fallon Coal Co., No. 2	1	301,319	400	301,319	400	Machine	Both	Hand	Open	No
44	St. Louis Coal Co.	2	96,342	237	48,171	168	Machine	Both	Hand	Open	No
45	Superior Coal Co., No. 1	1	497,420	429	497,420	429	Machine	Both	Machine	Open	No
46	Superior Coal Co., No. 2	1	589,962	609	589,962	609	Machine	Motor	Machine	Open	No
47	Superior Coal Co., No. 3	1	701,640	681	701,640	681	Machine	Motor	Machine	Open	No
48	Superior Coal Co., No. 4	1	725,457	649	725,457	649	Machine	Motor	Machine	Open	No
49	Union Coal Co.	1	109,138	236	109,138	236	Machine	Both	Hand	Open	No
50	Union Colliery Co., "Bun."	5	1,051,566	524	210,313	105	Machine	Motor	Machine	Closed	Yes
51	United States Fuel Co., "Bun."	1	731,119	1,011	731,119	1,011	Both	Both	Both	Open	No
52	United States Fuel Co., "Verm."	1	602,806	881	602,806	881	Both	Both	Hand	Open	No
53	Vinegar Hill Coal Co.	1	84,062	59	84,062	59	Hand	Both	Both	Open	No
54	Wasson Coal Co., No. 1	3	387,053	566	129,018	189	Machine	Both	Both	Open	Yes
	Shipping mines	76	22,841,604	24,540	300,547	323					
	Local mines	14	156,577	333	9,756	24					
	Total	90	22,998,181	24,873	235,535	276					

TABLE 42—METHOD OF LOADING IN MINES WHERE FATALITIES OCCURRED

Coal loaded by	Number of		Tons mined	Number employed	Tons mined to one killed	Em- ployes to one killed	Percentage of		
	mines	killed					Killed	Tons	Men
Machine exclusively.	21	31	12,193,623	9,611	393,343	310	40.8	53.4	39.2
Hand exclusively. . .	20	26	6,260,931	9,314	240,805	358	34.2	27.4	37.9
Hand and machine. . .	13	19	4,387,050	5,615	230,897	296	25.0	19.2	22.9
Total.	54	76	22,841,604	24,540	300,547	323	100.0	100.0	100.0

TABLE 43—MINE DISASTERS WHERE MORE THAN TWO MEN WERE KILLED

Date	Name of operator	Location of mine	Cause	Number killed
Feb. 16, 1883	Wilmington C. M. & Mfg. Co.	Braidwood.	Drowned.	69
1883.	Coulterville Coal Co.	Coulterville.	Gas explosion.	10
Oct. 13, 1902	Victor Coal Co.	Pawnee.	Blast explosion.	3
Feb. 25, 1903	Auburn & Alton Coal Co.	Auburn.	Blast explosion.	3
Mar. 13, 15, 16, 1903	Cardiff Coal Co.	Cardiff.	Gas explosion.	9
Mar. 23, 1903	Athens Coal Co.	Athens.	Blast explosion.	6
Mar. 31, 1903	Sandoval Coal Co.	Sandoval.	Blast explosion.	8
May 11, 1904	Big Muddy Coal & Iron Co.	Herrin.	Powder explosion.	10
Dec. 9, 1904	Eldorado Coal Co.	Eldorado.	Blown-out shot.	4
Jan. 16, 1905	Decatur Coal Co.	Decatur.	Suffocation—mine fire.	6
Apr. 3, 1905	Zeigler Coal Co.	Zeigler.	Gas explosion.	50
Dec. 22, 1906	Breese-Trenton Mining Co.	Breese.	Falling cage.	6
Jan. 29, 1907	Johnston City B. M. C. Co.	Johnston City.	Powder explosion.	7
Sept. 7, 1907	Dering Coal Co., No. 11.	West Frankfort.	Gas explosion.	4
Oct. 6, 1908	Harrisburg & Southern Coal Co.	Grayson.	Powder Explosion.	3
Nov. 5, 1908	W. P. Rend Coal Co.	Rend.	Gas explosion.	4
Nov. 19, 1908	Benton Coal Co.	Benton.	Gas explosion.	3
Dec. 12, 1908	W. P. Rend Coal Co.	Rend.	Gas explosion.	3
Jan. 10, 1909	Zeigler Coal Co.	Zeigler.	Gas explosion.	26
Feb. 9, 1909	Zeigler Coal Co.	Zeigler.	Gas explosion.	3
Feb. 16, 1909	Dering Coal Co., No. 18.	West Frankfort.	Gas explosion.	4
Nov. 13, 1909	St. Paul Coal Co., No. 2.	Cherry.	Mine fire.	256
Dec. 23, 1909	Chicago & Carterville Coal Co.	Herrin.	Gas explosion.	8
Dec. 27, 1909	Centralia Coal Co.	Centralia.	Gas explosion.	4
Nov. 14, 1910	Shoal Creek Coal Co.	Panama.	Gas explosion.	6
Feb. 13, 1911	Saline County Coal Co.	Harrisburg.	Falling bucket.	4
Oct. 21, 1911	O'Gara Coal Co., No. 9.	Harrisburg.	Suffocated, after damp.	8
Jan. 15, 1913	Crecent Coal Co.	Peoria.	Suffocated, after damp.	3
Feb. 19, 1913	Eldorado Coal & Mining Co.	Eldorado.	Gas explosion.	4
Oct. 27, 1914	Franklin Coal & Coke Co., No. 1.	Royalton.	Gas explosion.	52
Apr. 5, 1915	Shoal Creek Coal Co.	Panama.	Gas explosion.	11
July 27, 1915	United Coal Co., No. 1.	Christopher.	Gas explosion.	8
Dec. 8, 1916	Johnston City Coal Co.	Johnston City.	Mine fire.	3
May 12, 1917	Saline County Coal Co., No. 6.	Grayson.	Gas explosion.	4
June 2, 1917	W. P. Rend C. & C. Co.	Herrin.	Gas explosion.	9
Sept. 17, 1917	C. W. & F. Coal Co., No. 1.	Orient.	Falling cage.	5
Nov. 29, 1917	Old Ben Coal Corp., No. 11.	Christopher.	Gas explosion.	17
Dec. 5, 6, 1917	Bell & Zollar Coal Co., No. 1.	Zeigler.	Gas explosion.	3
Feb. 22, 1918	Citizens Coal Co., "A"	Springfield.	Dust explosion.	4
Feb. 22, 1918	C. W. & F. Coal Co., "Royal"	Viriden.	Powder explosion.	4
June 29, 1918	O'Gara Coal Co., No. 8.	Eldorado.	Suffocated by gas.	3
Sept. 28, 1918	Franklin Coal & Coke Co.	Royalton.	Gas explosion.	21
May 12, 1919	Marion County Coal Co.	Centralia.	Gas explosion.	4
June 6, 1919	Old Ben Coal Corp., No. 10.	Christopher.	Gas explosion.	3
Feb. 14, 1921	O'Gara Coal Co., No. 8.	Eldorado.	Gas explosion.	3
Feb. 23, 1921	Centralia Coal Co.	Centralia.	Windy shot.	3
Feb. 23, 1921	Union Col. Co.	Dowell.	Mine fire.	7
Aug. 31, 1921	Harrisburg Coal Co.	Harco.	Gas explosion.	12
Feb. 21, 1922	Springfield Dist. C. M. Co., No. 58.	Taylorville.	Shot explosion.	3
Sept. 29, 1922	Consolidated Coal Co., L. C.	Johnston City.	Gas explosion.	5
Dec. 6, 1923	Aluminum Ore Co.	Belleville.	Drowned.	3
Jan. 25, 1924	Crerar-Clinch Coal Co.	Johnston City.	Gas explosion.	33
Sept. 26, 1925	Consolidated Coal Co., No. 7.	Herrin.	Gas explosion.	3
Jan. 29, 1926	C. W. & F. Coal Co., No. 2.	West Frankfort.	Gas explosion.	5
Mar. 30, 1927	Saline County Coal Corp., No. 2.	Ledford.	Gas explosion.	8
Dec. 30, 1927	Cosgrove-Meehan Coal Corp., No. 1.	Johnston City.	Gas explosion.	7
Jan. 9, 1928	Peabody Coal Co., No. 18.	West Frankfort.	Gas explosion.	21
Dec. 1, 1929	Old Ben Coal Corp., No. 8.	West Frankfort.	Gas explosion.	7
Mar. 18, 1930	Valier Coal Co.	Valier.	Gas explosion.	4
Oct. 3, 1931	Rennie Bros.	Chesterfield.	Falling cage.	3

TABLE 44—TONS OF COAL MINED, NUMBER EMPLOYED, NUMBER KILLED AND INJURED, TONS MINED TO ONE MAN KILLED AND INJURED, AND RATIOS PER 1,000 EMPLOYED, AND PER 1,000,000 TONS MINED—1882-1931. INJURIES INVOLVING A LOSS OF 30 OR MORE DAYS TIME

Year	Tons mined	Number employed	Accidents		Tons mined to one man		Accidents			
			Fatal	Non-fatal	Killed	Injured	Per 1,000 employed		Per 1,000,000 tons mined	
							Fatal	Non-fatal	Fatal	Non-fatal
1882.....	9,115,661	20,290	40	50	227,892	182,313	2.0	2.5	4.4	5.5
1883.....	10,508,785	23,939	134	231	78,424	45,493	5.6	9.1	12.8	22.0
1884.....	10,101,004	25,575	46	197	219,587	51,274	1.8	7.7	4.6	19.5
1885.....	9,791,874	25,946	39	147	251,074	66,611	1.5	5.7	4.0	15.0
1886.....	9,246,435	25,846	52	171	177,816	54,073	2.0	6.6	5.6	18.5
1887.....	10,278,890	26,804	41	180	250,905	57,105	1.5	6.7	4.0	17.5
1888.....	11,855,188	29,410	55	179	215,549	66,230	1.9	6.1	4.7	15.1
1889.....	11,597,963	30,076	42	201	276,142	57,701	1.4	6.7	3.6	17.3
1890.....	12,638,364	28,574	53	294	238,460	42,988	1.9	10.3	4.2	23.4
1891.....	15,660,698	32,951	60	367	261,012	42,672	1.9	11.1	3.9	23.4
1892.....	17,862,576	33,632	57	370	313,373	48,276	1.7	11.0	3.2	20.7
1893.....	19,949,564	35,390	69	403	289,124	49,502	1.9	11.4	3.5	20.2
1894.....	17,113,576	38,477	72	521	237,690	32,848	1.9	13.5	4.2	30.4
1895.....	17,735,864	38,630	75	605	236,478	29,315	1.9	15.7	4.2	34.1
1896.....	19,786,626	37,032	77	672	256,969	29,444	2.1	18.1	3.9	34.0
1897.....	20,072,758	33,788	69	518	290,909	38,750	2.0	15.3	3.4	25.8
1898.....	18,599,299	35,026	75	438	247,991	42,464	2.1	12.5	4.0	23.5
1899.....	23,434,445	36,901	84	597	278,981	39,254	2.3	16.2	3.6	25.5
1900.....	25,153,929	39,384	94	611	267,559	41,168	2.4	15.5	3.7	24.3
1901.....	26,685,319	44,143	99	422	269,549	63,235	2.2	9.6	3.8	15.8
1902.....	30,021,300	46,003	99	406	303,245	73,944	2.2	8.8	3.3	13.5
1903.....	34,955,400	49,814	156	410	224,073	85,257	3.1	8.2	4.5	11.7
1904.....	37,077,897	54,774	157	507	236,165	73,132	2.9	9.3	4.2	13.7
1905.....	37,183,374	59,230	199	535	185,852	69,502	3.4	9.0	5.4	14.4
1906.....	38,317,581	62,283	155	480	247,210	79,828	2.5	7.7	4.0	12.5
1907.....	47,798,621	66,714	165	636	289,689	75,155	2.5	9.5	3.5	13.3
1908.....	49,272,436	70,841	183	819	269,248	60,162	2.6	11.6	3.7	16.6
1909.....	49,163,710	72,733	213	894	230,816	54,993	2.9	12.3	4.3	18.2
1910.....	48,717,853	74,634	406	742	119,995	65,657	5.4	9.9	8.3	15.2
1911.....	50,165,099	77,410	157	709	319,523	70,755	2.0	9.2	3.1	14.2
1912.....	57,514,240	79,411	180	800	315,524	71,893	2.3	10.7	3.1	13.9
1913.....	61,846,204	79,497	175	1,025	353,407	60,338	2.2	12.9	2.8	16.2
1914.....	60,715,795	80,035	159	1,079	381,860	56,691	2.0	13.4	2.6	17.6
1915.....	57,601,694	75,607	180	1,013	320,009	56,870	2.4	13.4	3.1	17.6
1916.....	63,673,530	75,919	165	1,305	385,900	48,792	2.2	17.2	2.6	20.5
1917.....	78,983,517	80,893	207	1,634	381,563	48,338	2.6	20.2	2.6	20.7
1918.....	89,979,469	91,372	259	2,161	347,411	41,638	2.8	23.7	2.9	24.0
1919.....	75,099,784	90,897	208	2,620	361,057	28,664	2.3	28.8	2.8	34.9
1920.....	73,920,653	88,192	181	3,571	408,401	20,700	2.5	40.5	2.4	48.3
1921.....	80,121,948	95,763	222	4,327	360,910	18,517	2.3	45.2	2.8	54.0
1922.....	63,276,827	98,090	159	3,879	397,962	16,315	1.6	39.5	2.5	61.3
1923.....	75,514,095	103,566	161	3,615	469,032	20,889	1.6	34.9	2.1	47.9
1924.....	72,308,665	99,765	184	3,895	392,982	18,565	1.8	39.0	2.5	53.9
1925*.....	103,186,166	81,684	183	4,712	563,859	21,713	2.4	57.7	1.8	46.0
1926.....	69,813,255	77,732	165	3,083	423,111	22,642	2.1	39.7	2.4	44.2
1927.....	46,949,700	78,572	106	1,398	442,922	33,583	1.3	18.0	2.3	29.8
1928.....	56,211,082	65,508	139	2,176	404,396	25,832	2.1	33.2	2.5	38.7
1929.....	61,127,759	58,596	109	2,392	560,805	25,536	1.9	40.8	1.8	39.1
1930.....	54,035,116	56,011	112	1,649	482,456	32,768	2.0	29.4	2.1	30.5
1931.....	45,152,623	53,550	90	1,530	501,696	29,512	1.7	28.6	2.0	33.9

*July 1, 1924 to December 31, 1925.

TABLE 45—NON-FATAL ACCIDENTS BY DISTRICTS

District	Loss of 7 or more days				Loss of 30 or more days				Cause of injury, Number injured								
	Number		Days lost by men returned		Number injured	Days lost			Fall of person	Falls of roof and sides	Haulage	Lifting	Machinery	Struck by objects	Miscellaneous	Not stated	
	Injured	Not returned	Total	Average		Total	Average										
First.....	131	17	2,984	26	35	1,579	45	1	46	5	12	...	49	17	1		
Second....	197	14	5,160	28	70	3,507	50	20	40	36	30	5	58	8	...		
Third.....	95	8	2,691	31	28	1,519	54	4	14	15	22	2	33	5	...		
Fourth....	664	38	20,672	33	287	15,575	54	59	106	110	105	19	235	24	6		
Fifth.....	267	32	7,626	31	109	5,593	51	26	92	38	26	12	69	4	...		
Sixth.....	433	42	13,013	33	173	9,634	56	35	93	51	41	12	182	19	...		
Seventh....	150	6	4,646	32	48	2,855	59	4	45	16	10	5	64	6	...		
Eighth....	194	15	6,080	34	76	4,400	58	17	47	30	27	3	62	8	...		
Ninth.....	172	10	5,164	32	65	3,705	57	9	37	23	17	8	66	10	2		
Tenth.....	916	28	28,780	32	369	20,634	56	62	265	157	74	61	266	31	...		
Eleventh..	444	28	15,192	37	222	12,283	55	20	123	112	44	10	124	11	...		
Twelfth...	146	7	3,990	29	48	2,706	56	12	28	33	11	8	49	5	...		
Total.....	3,809	245	115,998	33	1,530	83,990	55	269	936	626	419	145	1,257	148	9		

TABLE 46—NON-FATAL ACCIDENTS BY CAUSES

Cause of injury	Number injured	Not returned	Days lost by men returned		Percent of—		
			Total	Average	Men injured	Time lost	
Fall of person.....	269	19	7,896	32	7.1	6.8	
Falls of roof and sides.....	936	101	30,205	36	24.6	26.0	
Haulage.....	626	45	21,675	37	16.4	18.7	
Lifting.....	419	13	12,548	31	11.0	10.8	
Machinery.....	145	7	5,897	43	3.8	5.1	
Struck by objects.....	1,257	46	34,131	28	33.0	29.4	
Miscellaneous.....	148	14	3,438	26	3.9	3.0	
Not stated.....	9	.....	208	23	.2	.2	
Total.....	3,809	245	115,998	33	100.0	100.0	

TABLE 47—NON-FATAL ACCIDENTS BY MONTHS AND DISTRICTS

Month	Districts												Total
	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	Eleventh	Twelfth	
January.....	13	30	14	79	37	46	16	30	14	93	45	22	439
February....	11	17	11	55	23	51	15	16	22	71	43	17	352
March.....	11	21	10	80	29	51	20	23	12	76	44	27	404
April.....	6	9	10	57	20	40	5	24	12	38	31	11	263
May.....	15	14	8	46	23	37	14	15	7	80	34	12	305
June.....	8	11	4	53	9	24	14	13	16	57	30	7	246
July.....	7	17	10	50	11	33	7	3	23	68	37	4	270
August.....	6	11	5	41	28	28	6	10	17	92	32	10	286
September..	14	19	6	38	19	32	12	10	6	96	37	4	293
October.....	13	22	7	61	28	33	16	19	8	82	36	7	332
November...	12	13	5	58	23	27	17	14	17	86	37	11	320
December...	15	13	5	46	17	31	8	17	18	77	38	14	299
Total.....	131	197	95	664	267	433	150	194	172	916	444	146	3,809

TABLE 48—SUMMARY—TOTAL TONNAGE AND GRADED OUTPUT—SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE

District	Number of—			Total tons produced	Classification of output of mines in tons									
	Coun-tries	Mines oper-ated	Mines in dis-trict		Lump	Furnace	Small Egg	Stove	Chest-nut	Pea coal	Carbon	Screenings	Mine run	Waste and Loss in preparing
First.....	4	6	6	1,868,765	161,590	381,472	168,809	44,980	8,826	.....	60,437	692,490	197,188	152,973
Second.....	3	8	8	1,330,623	156,064	151,545	.....	.....	.....	.....	.....	200,506	820,859	1,649
Third.....	2	8	8	1,520,062	213,738	535,770	98,826	40,854	.....	.....	.....	421,018	191,186	18,670
Fourth.....	3	19	35	6,313,977	1,064,808	1,057,357	440,462	63,487	34,503	44,635	8,024	2,170,684	1,323,897	106,120
Fifth.....	2	7	9	2,399,121	232,144	532,379	150,080	4,786	.....	.....	.....	765,750	703,500	24,775
Sixth.....	3	12	24	5,263,371	2,891,554	550,389	111,713	12,076	6,382	2,481	157	1,408,319	255,525	18,104
Seventh.....	3	12	16	1,505,906	355,151	233,090	80,558	120,174	15,894	.....	127	504,236	178,430	32,152
Eighth.....	2	28	15	43,613,653	727,458	487,968	24,732	97,576	.....	1,295	3,834	808,249	430,389	37,127
Ninth.....	4	20	33	5,670,295	534,887	674,242	409,231	249,363	46,816	33,588	62,952	1,355,526	2,232,483	71,207
Tenth.....	1	15	12	27,953,560	1,185,120	1,582,566	1,027,943	435,418	444,398	265,418	713,469	3,267,548	394,891	214,789
Eleventh.....	2	12	9	2,965,627	355,136	567,499	353,581	170,734	143,267	44,214	100,306	1,022,489	155,235	53,166
Twelfth.....	1	20	31	2,090,098	220,795	208,542	198,191	123,827	19,268	25,513	44,159	566,696	652,910	30,197
Total.....	30	167	94	43,073,058	8,090,994	6,970,270	3,064,126	1,363,275	719,354	417,286	993,465	13,183,511	7,536,493	734,284
Local mines.....	42	827	.....	2,079,565	.....	.....	.....	.....	.....	.....	.....	.....	2,079,565	.....
All mines.....	48	994	.....	45,152,623	8,090,994	6,970,270	3,064,126	1,363,275	719,354	417,286	993,465	13,183,511	9,616,058	734,284

TABLE 49—SUMMARY—DISPOSITION OF OUTPUT—SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE

District	Disposition of output—Tons						Tons dis- posed of locally	Percent of tonnage handled	
	Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste	By railroads	Locally
First.....	1,868,765	1,117,709	452,253	150	139,762	5,671	153,220	84.0	16.0
Second.....	1,330,623	268,752	961,543	.....	91,708	4,081	4,539	92.5	7.5
Third.....	1,520,062	656,140	800,817	.....	40,328	4,107	18,670	95.8	4.2
Fourth.....	6,313,977	4,553,821	1,154,967	42,953	383,534	67,087	111,615	91.1	8.9
Fifth.....	2,399,121	1,541,219	721,462	908	102,681	18,075	14,776	94.4	5.6
Sixth.....	5,263,371	1,482,330	3,534,455	5,155	86,855	132,470	22,106	95.4	4.6
Seventh.....	1,505,906	986,062	285,997	.....	143,913	73,154	16,780	84.5	15.5
Eighth.....	2,613,653	1,512,985	515,688	40,672	444,085	71,072	29,151	79.2	20.8
Ninth.....	5,670,295	3,184,073	2,235,282	71,869	50,501	57,611	70,957	96.8	3.2
Tenth.....	9,531,560	7,182,652	1,848,335	.....	38,840	99,511	362,222	94.7	5.3
Eleventh.....	2,965,627	2,369,632	426,065	.....	64,005	52,758	53,167	94.3	5.7
Twelfth.....	2,090,098	1,334,149	652,698	.....	31,969	48,498	22,784	95.1	4.9
Total.....	43,073,058	26,189,524	13,589,562	161,707	1,618,181	634,097	879,987	92.7	7.3
Local mines.....	2,079,565	.....	.....	.....	1,944,344	133,751	1,470	.....	100.0
All mines.....	45,152,623	26,189,524	13,589,562	161,707	3,562,525	767,848	881,457	88.4	11.6

TABLE 50.—SUMMARY—MECHANICAL LOADING MACHINES, METHODS OF LOADING, ACCIDENTS, RATIOS AND PROPORTIONS SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE

District	Mechanical loaders			Tons loaded			Percent of tons loaded			Accidents		Employees to one—		Tons mined to one—		To 1,000 employees	
	Load- ing mach.	Con- veyors	Total	Mechani- cally	By hand	Strip mines	Mechani- cally	By hand	Strip mine	Fatal	Non- fatal	Killed	Injured	Killed	Injured	Killed	Injured
First.....	218,948	1,649,817	.....	11.7	88.3	1	89	1,003	11.3	1,868,765	20,917	1.0	88.7
Second.....	1,327,732	.....	.....	99.8	.....	1	170	1,645	9.7	1,330,623	7,827	0.6	103.3
Third.....	2,781	748,142	.....	0.2	50.6	3	75	434	17.4	506,687	20,267	2.3	57.6
Fourth.....	3,191,268	3,122,709	.....	50.5	.....	8	648	958	11.8	789,372	9,744	1.0	84.5
Fifth.....	4,679,987	1,394,983	.....	28.3	13.6	7	245	405	11.6	342,732	9,792	2.5	86.3
Sixth.....	4,387,068	324,151	.....	92.7	7.3	6	427	785	11.0	877,228	12,326	1.3	90.6
Seventh.....	503,842	.....	.....	66.5	.....	5	144	428	15.0	301,181	10,458	2.3	67.3
Eighth.....	786,547	368,904	.....	55.8	30.1	7	172	418	17.0	373,379	15,190	2.4	58.8
Ninth.....	1,598,622	821,525	.....	28.2	14.5	9	166	406	22.0	630,033	34,158	2.5	45.5
Tenth.....	2,309,108	3,250,148	.....	75.8	24.2	13	916	774	11.0	733,197	10,406	1.3	91.0
Eleventh.....	1,764,810	165,439	.....	34.1	6.4	12	433	408	10.4	247,136	6,849	2.7	96.4
Twelfth.....	1,375,852	21,200	.....	65.9	33.2	5	146	917	31.4	418,020	14,316	1.1	31.8
Total.....	289	2,131	2,420	22,445,802	14,078,460	6,548,798	52.1	32.7	15.2	77	3,631	611	13.0	559,390	11,863	1.6	77.2
Local mines.....	2,008,460	71,105	.....	96.6	3.4	13	178	502	36.7	159,967	11,683	2.0	27.3
All mines.....	289	2,131	2,420	22,445,802	16,086,920	6,619,903	52.1	35.6	14.6	90	3,809	595	14.1	501,696	11,854	1.7	77.1

TABLE 51—SUMMARY—EMPLOYEES, TIME WORKED, EXPLOSIVES USED, MINING MACHINES, METHODS OF MINING, HAUL-AGE, MOTORS AND MULES—SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE

District	Employees			Average days worked	Explosives used in blasting coal					Mining machines, Number used	Mined by			Haulage	
	Under ground	On surface	Total		Powder, kegs	Pellet powder, pounds	Dynamite, pounds	Permissibles, pounds	L. O. X. pounds		Hand	Machine	Stripping	Motors used	Mules used
First.....	644	359	1,003	182	4,363	56,000	800	.....	.....	5	109,810	109,138	1,649,817	3	76
Second.....	1,550	95	1,645	146	20,182	20,725	.....	.....	.....	67	48,953	1,281,670	.....	21	151
Third.....	1,071	232	1,303	132	16,229	6,300	26,250	.....	.....	46	107,933	642,900	769,139	17	91
Fourth.....	6,857	809	7,666	138	120,127	2,369,825	48,350	23,925	.....	114	2,251,448	4,065,529	.....	147	246
Fifth.....	2,519	319	2,838	135	4,457	312,950	400	183,525	.....	96	17,928	2,057,042	324,151	43	106
Sixth.....	4,230	481	4,711	156	5,486	332,050	.....	474,800	.....	86	181,064	5,082,307	.....	135	72
Seventh.....	1,887	254	2,141	125	3,875	199,107	100	84,150	.....	81	103,723	1,402,183	.....	32	141
Eighth.....	2,478	446	2,924	130	26,227	596,775	595	77,690	.....	52	844,898	1,399,851	368,904	59	186
Ninth.....	2,444	1,206	3,650	128	9,069	287,250	38,775	224,525	110,110	159,315	2,260,832	3,250,148	.....	66	100
Tenth.....	8,613	1,451	10,064	139	.....	.....	.....	991,471	.....	386	39,137	9,492,423	.....	402	81
Eleventh.....	3,931	560	4,491	106	417	159,175	.....	197,350	.....	204	23,005	2,777,183	165,439	163	163
Twelfth.....	3,947	641	4,588	94	12,382	173,150	50	148,675	.....	143	149,102	1,919,796	21,200	117	90
Total.....	40,171	6,853	47,024	130	222,814	4,513,307	115,320	2,406,111	110,110	1,385	4,036,316	32,487,944	6,548,798	1,205	1,503
Local mines.....	5,481	1,045	6,526	123	72,946	29,270	75	75	.....	78	1,335,206	673,254	71,105	.....	.....
All mines.....	45,652	7,898	53,550	124	295,760	4,540,477	115,395	2,406,186	110,110	1,463	5,371,522	33,161,198	6,619,903	1,205	1,503

Cardox used in blasting 2,678,570 tons.

TABLE 52—SUMMARY OF PHYSICAL AND MECHANICAL CHARACTERISTICS OF SHIPPING MINES BY DISTRICTS

District	No. of mines	Character of opening				Manner of working		Haulage			Hoisting		Loading			Mining by			Number of mines using—		
		Shaft	Slope	Drift	Strip	P. & R.	L. W.	Motor only	Mule only	Motor and mule	Steam	Electric	Machine only	Hand only	Machine and hand	Machine exclusively	Hand exclusively	Machine and hand	Open lights	Closed lights	Rock dust
First.....	6	4	.....	.....	2	1	2	.....	2	2	1	3	.....	4	.....	1	3	.....	4	.....	1
Second.....	8	4	4	.....	.....	6	.....	.....	.....	6	2	6	.....	7	.....	1	5	.....	6	.....	8
Third.....	8	6	.....	.....	2	10	.....	.....	.....	14	13	6	.....	5	.....	2	2	.....	19	.....	.....
Fourth.....	19	19	.....	.....	.....	19	.....	.....	5	.....	1	3	.....	12	.....	3	8	.....	2	.....	.....
Fifth.....	7	4	1	1	.....	5	.....	.....	.....	1	5	3	.....	4	.....	2	4	.....	6	.....	.....
Sixth.....	12	12	.....	.....	.....	12	.....	.....	6	.....	1	8	.....	7	.....	2	10	.....	12	.....	.....
Seventh.....	12	12	.....	.....	.....	12	.....	.....	.....	8	10	2	.....	1	.....	6	10	.....	2	.....	.....
Eighth.....	28	25	1	1	.....	26	.....	.....	4	.....	22	21	6	.....	9	.....	9	14	.....	27	.....
Ninth.....	20	13	.....	.....	7	13	.....	.....	2	.....	4	11	2	.....	12	.....	5	4	.....	10	.....
Tenth.....	15	15	.....	.....	.....	15	.....	.....	2	.....	1	9	6	.....	2	.....	12	3	.....	1	.....
Eleventh.....	12	9	2	.....	.....	11	.....	.....	.....	7	9	6	.....	6	.....	4	11	.....	8	.....	15
Twelfth.....	20	12	6	.....	2	18	.....	.....	6	.....	7	11	7	.....	5	.....	7	5	.....	16	.....
Total.....	167	135	14	2	16	144	7	38	20	93	100	51	36	77	38	82	46	23	129	22	35

REPORT OF STATE INSPECTORS

FIRST DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the First Inspection District, comprising the coal producing Counties of Bureau, Grundy, Henry, La Salle, Livingston, Mercer, Putnam, Rock Island and Will, for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal.....	9
Number of shipping mines.....	6
Number of local mines.....	94
Number of employees underground.....	1,497
Number of employees on surface.....	572
Total number employed.....	2,069
Tons of coal produced in shipping mines.....	1,868,765
Tons of coal produced in local mines.....	349,050
Tons of coal produced, total.....	2,217,815
Days operated, shipping mines, average.....	182
Days operated, local mines, average.....	125
Number of undercutting machines.....	17
Tons undercut.....	227,386
Tons mined by hand.....	326,924
Tons mined in strip mines.....	1,663,505
Number of loading machines used.....	0
Tons loaded mechanically.....	0
Number of fatal accidents.....	2
Number of non-fatal accidents.....	131
Number of employees to each fatality.....	1,034
Number employed to each non-fatal accident.....	15.8
Tons of coal mined to each fatality.....	1,108,902
Tons mined to each non-fatal accident.....	16,930
Number of fatalities per 1000 employed.....	1.
Number injured per 1000 employed.....	63.3

ABANDONED MINES

Sunlight Coal Co.
La Salle County Carbon Fuel Co., No. 1.
La Salle Mine.
Cherry Coal Co., operated as a local mine.

FATAL ACCIDENTS

July 29, Archie Kindlesperger, miner, age 47 years, married, was killed in Mielke Brothers' mine. Deceased was employed in sinking an

air shaft and was struck by a rock which fell off the bucket while being hoisted. He leaves a widow.

October 21, Domenic Pirri, miner, age 52 years, married, was killed by a fall of rock in Union Coal Company's mine. He leaves a widow and four children.

Respectfully submitted,

PETER FALETTI,

Inspector.

FATAL CASUALTIES, FIRST DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
July 29 Oct. 21	A. Kindlesperger Domenic Pirri	47 Miner 52 Miner		Coal Valley, Ladd	Mielke Bros., Union Coal Co.		1 1	1 1			1 5	Struck by rock Falling rock

NON-FATAL ACCIDENTS, FIRST DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned	
	Number		Days lost by men returned		Number injured	Days Lost		Injured		Not returned	Total	Average	
	Injured	Not returned	Total	Average									
Illinois Zinc Co.	10	1	309	34	5	230	46	Fall of person	1		21	21	
Midland Electric Coal Co.	7		178	25	2	106	53	Fall of roof and sides	46	10	304	22	
Northern Ill. Coal Corp.	17	2	428	28	7	325	46	Haulage	5		138	28	
Shuler Coal Co.	2		65	32	1	32	32	Lifting	12	2	286	29	
Union Coal Co.	53	8	933	21	15	600	40	Struck by object	49	2	1,731	26	
								Miscellaneous	17	3	443	32	
								Not stated	1		61	61	
Shipping mines	89	11	1,913	25	30	1,293	43	Included in above					
Local mines	42	6	1,071	30	5	286	57						
All mines	131	17	2,984	26	35	1,579	45		131	17	2,984	26	

BUREAU COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	LOCAL MINES								
1	Cherry Coal Co.....	Cherry.....	7,915				6,907	1,008	
2	Abner Mapes.....	Kewanee.....	1,324				1,314	10	
3	2 mines producing less than 1,000 tons each.....		1,734				1,704	30	
	Total 5 mines.....		10,973				9,925	1,048	

GRUNDY COUNTY

LOCAL MINES								
1	Skinner Coal Co.....	S. Wilmington.	22,820				21,543	1,277
2	Wright Bros. Coal Co.....	Verona.....	8,744				8,000	744
3	2 mines producing less than 1,000 tons each.....		1,000				1,000	
	Total 4 mines.....		32,564				30,543	2,021

HENRY COUNTY

SHIPPING MINES								
1	Midland Electric Coal Co.....	Atkinson.....	661,317	309,040	186,095	13,278	2,564	150,340
2	Shuler Coal Mining Co.....	Alpha.....	35,237	20,093	9,423	5,342	176	203
	Total.....		696,554	329,133	195,518	18,620	2,740	150,543
LOCAL MINES								
1	Valley View Coal Co.....	Coal Valley....	32,530			32,120	410	
2	Warner Coal Co.....	Orion.....	15,776			15,776		
3	T. C. Thompson.....	Rock Island....	9,930			9,930		
4	Ratchiffe Coal Co.....	Kewanee.....	3,855			3,855		
5	Wm. T. Lamb & Son.....	Kewanee.....	3,845			3,845		
6	Elmer A Stone.....	Kewanee.....	3,130			2,400	730	
7	Rodamsky & White.....	Geneseo.....	2,600			2,580	20	
8	North Coal Co.....	Kewanee.....	2,344			2,162	182	
9	Waterloo Coal Co.....	Kewanee.....	1,863			1,644	219	
10	George W. Mason.....	..... a.....	1,609			1,508	101	
11	North End Coal Co.....	Kewanee.....	1,120			1,120		
12	Hodgett Bros.....	Kewanee.....	800			800		
	Total.....		79,402			79,740	1,662	
	Total 14 mines.....		775,956	329,133	195,518	96,360	4,402	150,543

a Not reported.

FIRST DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
40	144	225				1		7,915				1
12	365	67							1,324			2
31	232	34							1,734			3
83	148	326				1		7,915	3,058			

FIRST DISTRICT

93	133	26							22,820			1
20	120	125				1		8,744				2
9	136								1,000			3
122	97	141				1		8,744	23,820			

FIRST DISTRICT

101	306	1,882		800						661,317		1
84	108	2,481							35,237			2
185	207	4,363		800					35,237	661,317		5
45	175	2,700				1		3,200	29,330			1
56	170	1,250							15,776			2
15	225	245							9,930			3
9	190								3,855			4
12	140								3,845			5
16	195								3,130			6
11	160	240							2,600			7
10	132								2,344			8
9	140								1,863			9
10	101								1,609			10
9	82								1,120			11
5	80								800			12
207	149	4,435				1		3,200	76,202			
392	157	8,798		800		1		3,200	111,439	661,317		

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	Union Coal Co.....	La Salle.....	109,138	57,442	2,656	.....	48,767	273	.....
2	Illinois Zinc Co.....	Peru.....	61,186	30,741	.....	.....	30,133	312	.....
Total.....			170,324	88,183	2,656	.....	78,900	585	.....
LOCAL MINES									
1	Matthiessen & Hegeler Zinc Co.	La Salle.....	95,443	.....	.....	.....	95,443	.....	.....
2	Chas. A. Baldwin & G. G. Gilbert	Marseilles.....	12,762	.....	.....	.....	12,682	80	.....
3	French Coal Co.....	Streator.....	8,953	.....	.....	.....	8,953	.....	.....
4	South Side Coal Co.....	Marseilles.....	3,939	.....	.....	.....	3,124	815	.....
5	Chicago Retort & Fire Brick Co.....	Ottawa.....	3,500	.....	.....	.....	3,500	.....	.....
6	Ottawa United Relief Ass'n	Ottawa.....	2,665	.....	.....	.....	2,660	5	.....
7	Ed Smith & Sam Smith	Marseilles.....	2,000	.....	.....	.....	1,950	50	.....
8	Proudfoot & Davis Coal Co.	Streator.....	2,000	.....	.....	.....	2,000	.....	.....
9	Rogers Bros.....	Tonica.....	1,700	.....	.....	.....	1,700	.....	.....
10	Mitchell & Brown Co.....	Streator.....	1,550	.....	.....	.....	1,550	.....	.....
11	G. G. Gilbert	Streator.....	1,520	.....	.....	.....	1,520	.....	.....
12	Thomas Coal Co.....	Streator.....	1,371	.....	.....	.....	1,371	.....	.....
13	James Moran	Streator.....	1,100	.....	.....	.....	1,100	.....	.....
14	Alexander McLean	Ottawa.....	1,000	.....	.....	.....	1,000	.....	.....
15	26 mines producing less than 1,000 tons each.....	.....	6,208	.....	.....	.....	6,191	17	.....
Total 40 mines.....			145,711	.....	.....	.....	144,744	967	.....
Total 42 mines.....			316,035	88,183	2,656	.....	223,644	1,552	.....

LIVINGSTON COUNTY

LOCAL MINES								
1	Fairbury Mines Co-Op. C. Co.	Fairbury	8,884				8,408	476
2	Caphas Williams	Streator	3,433				3,433	
3	Evans, Scott & Allen	Streator	2,100				2,100	
4	Katcher, Wargo & Barry	Streator	1,457				1,457	
5	K. B. Coal Co.	Streator	1,433				1,383	50
6	Streator Coal Co.	Streator	1,394				1,250	144
7	Allan Anderson	Streator	1,238				1,238	
8	Lloyd Kudrick	Streator	1,050				1,050	
9	4 mines producing less than 1,000 tons each		2,841				2,826	15
	Total 12 mines		23,830				23,145	685

MERCER COUNTY

LOCAL MINES								
1	Essley Coal Co., No. 1	Viola	4,650				4,250	400
2	Lee Bros.	Matherville	4,322				4,282	40
3	Huffman & Johnson	Preemption	3,725				3,725	
4	Mike Bugos and James O'Rourke	Matherville	2,643				2,643	
5	Kness Coal Co.	Viola	1,686				1,386	300
6	Essley Coal Co., No. 2	Viola	1,382				1,382	
7	10 mines producing less than 1,000 tons each		3,388				3,382	6
	Total 16 mines		21,796				21,050	746

FIRST DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder pounds.	Dynamite—pounds	Permissibles pounds	Mining machines	Motors					
236	190					5	1	109,138			25	1
181	169						2		61,186		18	2
417	179					5	3	109,138	61,186		43	
133	150	431				7		95,443				1
32	160								12,762			2
29	150	500							8,953			3
24	114	2							3,939			4
4	200	8							3,500			5
5	30									2,665		6
14	180								2,000			7
6	75	60								2,000		8
3	120	4								1,700		9
4	200	100							1,550			10
9	86								1,520			11
4	175	65							1,371			12
3	150	75							1,100			13
4	65	3								1,000		14
81	2,946	186							6,208			15
355	120	1,434				7		95,443	42,903	7,365		
772	123	1,434				12	3	204,581	104,089	7,365	43	

FIRST DISTRICT

24	169	586							8,884			1
7	175									3,433		2
13	200	100							2,100			3
7	115									1,457		4
8	65	1								1,433		5
8	93	77							1,394			6
7	120	20							1,238			7
6	150	7							1,050			8
32	625	65							2,841			9
112	142	856							17,507	6,323		

FIRST DISTRICT

15	145	500							4,650			1
7	212	250							4,322			2
13	170	270							3,725			3
12	76	275							2,643			4
7	110	168							1,686			5
6	102	115							1,382			6
37	814	257							3,388			7
97	102	1,835							21,796			

PUTNAM COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	Prairie State Coal Co.....	Granville.....	13,387	7,993	.....	150	2,197	370	2,677

ROCK ISLAND COUNTY

LOCAL MINES									
1	McKeag Bros.....	Coal Valley....	12,650	.....	.....	.....	12,650	.....	.....
2	Mielhe Bros.....	Coal Valley....	11,874	.....	.....	.....	11,874	.....	.....
3	Highland Coal & Mining Co.	Moline.....	8,742	.....	.....	.....	8,742	.....	.....
4	2 mines producing less than 1,000 tons each.....	.....	1,508	.....	.....	.....	1,190	318	.....
Total 5 mines.....			34,774	.....	.....	.....	34,456	318	.....

WILL COUNTY

SHIPPING MINES									
1	Northern Illinois Coal Corp..	Wilmington....	988,500	692,400	254,079	.....	40,045	1,976	.....

FIRST DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
201	56	.....	.....	.....	.....	.....	.....	.....	13,387	.....	28	1

FIRST DISTRICT

15	140	465	.....	.....	.....	.....	.....	.....	12,650	.....	.....	1
34	195	820	.....	.....	.....	1	.....	2,396	9,478	.....	.....	2
26	181	200	6,250	.....	.....	.....	.....	.....	8,742	.....	.....	3
15	150	55	625	1	550	958	4
90	133	1,540	6,875	2	2,946	31,828

FIRST DISTRICT

200	264	56,000	988,500	1
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FIRST DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employes
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Henry.....	2	696,554	329,133	195,518	.....	18,620	2,740	150,543	185
LaSalle.....	2	170,324	88,183	2,656	.....	78,900	585	.....	417
Putnam.....	1	13,387	7,993	.....	150	2,197	370	2,677	201
Will.....	1	988,500	692,400	254,079	.....	40,045	1,976	.....	200
Total.....	6	1,868,765	1,117,709	452,253	150	139,762	5,671	153,220	1,003

LOCAL MINES,

Bureau.....	5	10,973	.....	.....	.....	9,925	1,048	.....	83
Grundy.....	4	32,564	.....	.....	.....	30,543	2,021	.....	122
Henry.....	12	79,402	.....	.....	.....	79,740	1,662	.....	207
LaSalle.....	40	145,711	.....	.....	.....	144,744	967	.....	355
Livingston.....	12	23,830	.....	.....	.....	23,145	685	.....	112
Mercer.....	16	21,796	.....	.....	.....	21,050	746	.....	97
Rock Island.....	5	34,774	.....	.....	.....	34,456	318	.....	90
Total.....	94	349,050	.....	.....	.....	341,603	7,447	.....	1,066

ALL MINES,

Bureau.....	5	10,973	.....	.....	.....	9,925	1,048	.....	83
Grundy.....	4	32,564	.....	.....	.....	30,543	2,021	.....	122
Henry.....	14	775,956	329,133	195,518	.....	96,360	4,404	150,543	392
LaSalle.....	42	316,035	88,183	2,656	.....	223,644	1,552	.....	772
Livingston.....	12	23,830	.....	.....	.....	23,145	685	.....	112
Mercer.....	16	21,796	.....	.....	.....	21,050	746	.....	97
Putnam.....	1	13,387	7,993	.....	150	2,197	370	2,677	201
Rock Island.....	5	34,774	.....	.....	.....	34,456	318	.....	90
Will.....	1	988,500	692,400	254,079	.....	40,045	1,976	.....	200
Total.....	100	2,217,815	1,117,709	452,253	150	481,365	13,118	153,220	2,069

BY COUNTIES, SHIPPING MINES

Days operated	Explosives used for blasting coal				Number of mining machines used	Number of motors in use	Tons mined by			No. of animals underground
	Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds			Machine	Hand	Stripping	
207	4,363		800					35,237	661,317	5
179					5	3	109,138	61,186		43
56								13,387		28
264		56,000							988,500	
182	4,363	56,000	800		5	3	109,138	109,810	1,649,817	76

FIRST DISTRICT

148	326				1		7,915	3,058		
97	141				1		8,744	23,820		
149	4,435				1		3,200	76,202		
120	1,434				7		95,443	42,903	7,365	
142	856							17,507	6,323	
102	1,835							21,796		
133	1,540	6,875			2		2,946	31,828		
125	10,567	6,875			12		118,248	217,114	13,688	

FIRST DISTRICT

148	326				1		7,915	3,058		
97	141				1		8,744	23,820		
157	8,798		800		1		3,200	111,439	661,317	
123	1,434				12	3	204,581	104,089	7,365	
142	856							17,507	6,323	
102	1,835							21,796		
56								13,387		
133	1,540	6,875			2		2,946	31,828		
264		56,000							988,500	
128	14,930	62,875	800		17	3	227,386	326,924	1,663,505	

SECOND DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois*

SIR: I have the honor of submitting to you the report of this the Second Inspection District, comprising the coal producing Counties of Marshall, Peoria, Stark, Tazewell and Woodford, for the year ended December 31, 1931.

The items shown are summarized in the following statement:

Number of Counties producing coal	5
Number of shipping mines	8
Number of local mines	109
Number of employees underground	2,853
Number of employees on surface	420
Total number employed	3,273
Tons of coal produced in shipping mines	1,330,623
Tons of coal produced in local mines	290,494
Tons of coal produced, total	1,621,117
Days operated, shipping mines, average	146
Days operated, local mines, average	105
Number of undercutting machines	86
Tons undercut	1,478,358
Tons mined by hand	134,583
Tons mined in strip mines	8,176
Number of loading machines used	1
Tons loaded mechanically	2,891
Number of fatal accidents	3
Number of non-fatal accidents	197
Number of employees to each fatality	1,091
Number employed to each non-fatal accident	16.6
Tons of coal mined to each fatality	540,372
Tons mined to each non-fatal accident	8,229
Number of fatalities per 1000 employed . . . . .	.9
Number injured per 1000 employed	60.2

ABANDONED MINES

Crescent Mining Company, No. 2 and 5.
East Mapleton Coal Company.

FATAL ACCIDENTS

March 30, John Mauschbaugh, miner, age 55 years, married, was electrocuted in Lea Brothers' mine by coming in contact with electric cable. He leaves a widow.

August 24, James Pratt, trapper, age 65 years, single, was killed by a pit car in Crescent Mining Company's No. 1 mine.

December 15, Dewey Pye, miner, age 31 years, single, was electrocuted in Coal Creek Coal Company's mine.

Respectfully submitted,

HARRY C. HINDSON,

Inspector.

FATAL CASUALTIES, SECOND DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Mar. 30	John Mausebaugh	55	Miner	Peoria	Lea Bros.		1	1			1	Electrocuted
Aug. 24	James Pratt	65	Trapper	Peoria	Crescent Mining Co.			1				Pit-cars
Dec. 15	Dewey Pye	31	Miner	East Peoria	Coal Creek Coal Co.			1				Electrocuted

NON-FATAL ACCIDENTS, SECOND DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned	
	Number		Days lost by men returned		Number injured	Days lost		Injured		Not returned	Total	Average	
	Injured	Not returned	Total	Average									
Central West. Coal Co.	8		251	31	2	150	75	Fall of person.....	20	1	686	36	
Crescent Coal Co., No. 1	37		826	22	13	524	40	Fall of roof and sides..	40	7	1,039	31	
Crescent Coal Co., No. 6	63	3	1,488	25	22	990	85	Haulage.....	36	3	984	30	
Dortheal Coal Co., No. 1	19	1	566	32	10	427	43	Lifting.....	30		779	26	
Lake Erie Mining Co.	15	1	697	50	8	551	69	Machinery.....	5	1	107	27	
Ryanoke Coal & Tie Co.	11	4	106	15	1	37	37	Struck by objects.....	58	37	1,365	24	
Sutton, W. G., Co.	17	2	510	34	6	361	60	Miscellaneous.....	8	1	200	29	
Shipping mines.....	170	11	4,444	28	62	3,040	49	Included in above					
Local mines.....	27	3	716	30	8	467	58						
All mines.....	197	14	5,160	28	70	3,507	50		197	14	5,160	28	

MARSHALL COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons					
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	LOCAL MINES							
1	Eagle Coal Co.	Sparland	1,161				1,161	
2	R. H. Simpson	Marshall	1,003				1,003	
3	16 mines producing less than 1,000 tons each		3,964				3,964	
	Total 18 mines		6,128				6,128	

PEORIA COUNTY

SHIPPING MINES								
1	Crescent Mining Co., No. 6.....	Peoria.....	512,374	39,106	470,571	1,631	165	901
2	Crescent Mining Co., No. 1.....	Peoria.....	310,997	10,355	299,857	85	152	548
3	Dorthel Coal Co., No. 1.....	Hanna City.....	168,324	37,784	126,243	4,103	194	
4	Central West Coal Co., No. 3.....	Edwards.....	39,137	24,573	13,260	1,304		
	Total 4 mines.....		1,030,832	111,818	909,931	7,123	511	1,449
LOCAL MINES								
1	Hilltop Mining Co.....	Peoria.....	35,783			35,704	79	
2	Edw. Mohn & Son.....	Bartonville.....	35,100			35,000	100	
3	Geo. & Wm. Vicary.....	Farmington.....	13,594			13,164	430	
4	Treasure Coal Co.....	Bartonville.....	13,540			13,060	480	
5	Middle Rd. Coal Co.....	Peoria.....	12,000			12,000		
6	Big Hollow Colliery Co.....	Peoria.....	7,225			6,575	650	
7	J. J. Jobst.....	Edwards.....	7,180			6,780	400	
8	Alva Ax & Frank Burrell.....	Pottstown.....	6,348			6,348		
9	Geo. L. Petri.....	Peoria.....	4,705			4,705		
10	Cusack Coal Co.....	Edwards.....	4,170			4,150	20	
11	S. R. Stever.....	Edwards.....	3,500			3,500		
12	Walter May.....	Oak Hill.....	3,212			3,200	12	
13	Henry Knaggs.....	Peoria.....	3,207			3,207		
14	H. O. Standard.....	Peoria.....	2,800			2,800		
15	Wm. Cook, Jr.....	Peoria.....	2,550			2,450	100	
16	T. T. McDaniel.....	Peoria.....	2,000			2,000		
17	Calhoun Co. Coal Co.....	Mapleton.....	2,000			1,500	500	
18	Frank P. Schmidt & Sons.....	Peoria.....	1,923			1,923		
19	Collins & Callear.....	Peoria.....	1,854			1,854		
20	Ed Siegel.....	Oak Hill.....	1,600			1,600		
21	Smith & Monks.....	Mapleton.....	1,583			1,583		
22	Ronaldo I. Mathew.....	Mapleton.....	1,500			1,500		
23	Jack Felton.....	Princeville.....	1,400			1,400		
24	Vinko Grenko.....	Edwards.....	1,145			1,145		
25	A. Colwell & Son.....	Sparland.....	1,029			1,029		
26	49 mines producing less than 1,000 tons each.....		12,787			12,590	197	
	Total 74 mines.....		183,735			180,767	2,968	
	Total 78 mines.....		1,214,567	111,818	909,931	187,890	3,479	1,449

SECOND DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
5	101	115							1,161			1
4	105	105							1,003			2
48	1,200	414							3,964			3
57	78	634							6,128			

SECOND DISTRICT

439	182	9,892				24	4	512,374			55	1
406	134	5,152				16	4	310,997			28	2
192	213	2,183	4,425			10	2	168,324			25	3
106	99	948				3	3	38,631	506		6	4
1,143	157	18,175	4,425			53	13	1,030,326	506		114	
35	187	511				3		35,783				1
61	173	326				3		35,100				2
23	145	900							13,594			3
24	180	68	2,575			1		13,540				4
26	200	250				1		12,000				5
28	122	91				2		7,225				6
8	152	55								7,180		7
26	216											8
12	105	229				1		605	6,348			9
12	112	350							4,100			10
9	115	200							4,170			11
5	200		6,000						3,500			12
11	102	163							3,212			13
3	98	150							3,207			14
11	102	200							2,800			15
11	120	120							2,550			16
4	200	120							2,000			17
7	143	126							2,000			18
8	75	148							1,923			19
5	150	100							1,854			20
3	168	85							1,600			21
2	178	100							1,583			22
3	192	50							1,500			23
9	127	290							1,400			24
3	202	108							1,145			25
990	4,110	105				1		558	11,233	996		26
1,339	106	4,845	8,575			12		104,811	70,748	8,176		
2,482	109	23,020	13,000			65	13	1,135,137	71,254	8,176		

STARK COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	LOCAL MINES								
1	Chas. Bensyl.....	Wyoming.....	3,102				3,000	102	
2	Sturm & Sons.....	Wyoming.....	1,382				1,182	200	
3	Cotton & Willson.....	Toulon.....	1,200				1,200		
4	10 mines producing less than 1,000 tons each.....		3,070				3,020	50	
	Total 13 mines.....		8,754				8,402	352	

TAZEWELL COUNTY

SHIPPING MINES								
1	Lake Erie Mining Co.....	Peoria.....	215,362	118,354	51,612		45,396	
2	Ubben Coal Co.....	Pekin.....	35,982	17,465			18,317	200
	Total 2 mines.....		251,344	135,819	51,612		63,713	200
LOCAL MINES								
1	H. C. Hindson.....	Peoria.....	51,215				51,015	200
2	Coal Creek Coal Co.....	E. Peoria.....	21,183				21,083	100
3	David Grant Coal Co.....	Pekin.....	11,307				10,807	500
4	Lea Bros & Lamborn.....	Peoria.....	8,172				8,157	15
	Total 4 mines.....		91,877				91,062	815
	Total 6 mines.....		343,221	135,819	51,612		154,775	815

WOODFORD COUNTY

SHIPPING MINES								
1	W. G. Sutton.....	Minonk.....	36,216	16,803			14,473	2,890
2	Roanoke Coal & Tile Co....	Roanoke.....	12,231	4,312			6,399	1,520
	Total 2 mines.....		48,447	21,115			20,872	3,570

SECOND DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
10	300	25							3,102			1
8	186	97							1,382			2
4	260	50							1,200			3
39	850	171							3,070			4
61	123	343							8,754			

SECOND DISTRICT

188	231	1,521	16,300			10	4	215,362				8	1
59	146	460				4	1	35,982				4	2
247	188	1,981	16,300			14	5	251,344				12	
81	234	900				3		51,215					1
48	102	455				2		21,183					2
22	179	124				2		11,307					3
20	100	114				1		8,172					4
171	154	1,593				8		91,877					
418	165	3,574	16,300			22	5	343,221					

SECOND DISTRICT

163	88	26					2		36,216			8	1
92	74						1		12,231			17	2
255	81	26					3		48,447			25	

SECOND DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employes
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Peoria.....	4	1,030,832	111,818	909,931	.....	7,123	511	1,449	1,143
Tazewell.....	2	251,344	135,819	51,612	.....	63,713	.....	200	247
Woodford.....	2	48,447	21,115	.....	.....	20,872	3,570	2,890	255
Total.....	8	1,330,623	268,752	961,543	.....	91,708	4,081	4,539	1,645

LOCAL MINES,

Marshall.....	18	6,128	.....	.....	.....	6,128	.....	.....	57
Peoria.....	74	183,735	.....	.....	.....	180,767	2,968	.....	1,339
Stark.....	13	8,754	.....	.....	.....	8,402	352	.....	61
Tazewell.....	4	91,877	.....	.....	.....	91,062	815	.....	171
Total.....	109	290,494	.....	.....	.....	286,359	4,135	.....	1,628

ALL MINES,

Marshall.....	18	6,128	.....	.....	.....	6,128	.....	.....	57
Peoria.....	78	1,214,567	111,818	909,931	.....	187,890	3,479	1,449	2,482
Stark.....	13	8,754	.....	.....	.....	8,402	352	.....	61
Tazewell.....	6	343,221	135,819	51,612	.....	154,775	815	200	418
Woodford.....	2	48,447	21,115	.....	.....	20,872	3,570	2,890	255
Total.....	117	1,621,117	268,752	961,543	.....	378,067	8,216	4,539	3,273

BY COUNTIES, SHIPPING MINES

Days oper- ated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of ani- mals under- ground
	Pow- der— kegs	Pellet pow- der— pounds	Dyna- mite— pounds	Permis- sibles— pounds			Machine	Hand	Stripping	
157	18,175	4,425			53	13	1,030,326	506		114
188	1,981	16,300			14	5	251,344			12
81	26					3		48,447		25
146	20,182	20,725			67	21	1,281,670	48,953		151

SECOND DISTRICT

78	634							6,128		
106	4,845	8,575			11		104,811	70,748	8,176	
123	343							8,754		
154	1,593				8		91,877			
105	7,415	8,575			19		196,688	85,630	8,176	

SECOND DISTRICT

78	634							6,128		
109	23,020	13,000			64		1,135,137	71,254	8,176	
123	343							8,754		
165	3,574	16,300			22		343,221			
81	26							48,447		
108	27,597	29,300			86	21	1,478,358	134,583	8,176	

THIRD DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Third Inspection District, comprising the coal producing Counties of Fulton, Hancock, Knox, McDonough, Schuyler and Warren, for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal	6
Number of shipping mines	8
Number of local mines	244
Number of employees underground	1,921
Number of employees on surface	444
Total number employed	2,365
Tons of coal produced in shipping mines	1,520,062
Tons of coal produced in local mines	274,939
Tons of coal produced, total	1,795,001
Days operated, shipping mines, average	132
Days operated, local mines, average	134
Number of undercutting machines	56
Tons undercut	710,517
Tons mined by hand	288,767
Tons mined in strip mines	795,717
Number of loading machines used	3
Tons loaded mechanically	2,781
Number of fatal accidents	3
Number of non-fatal accidents	95
Number of employees to each fatality	788
Number employed to each non-fatal accident	24.9
Tons of coal mined to each fatality	598,334
Tons mined to each non-fatal accident	18,895
Number of fatalities per 1000 employed	1.3
Number injured per 1000 employed	40.2

ABANDONED MINES

Putnam Coal Co.

FATAL ACCIDENTS

January 2, Emil Zedric, apprentice miner, age 19 years, single, was killed by a fall of slate in Galesburg Mining Company's mine.

April 25, James G. Baxter, driver, age 49 years, married, was killed in Rawalt Coal Company's mine by pit cars. He leaves a widow and two children.

August 28, Dominick Viano, miner, age 54 years, married, died from blood poison caused from an injury to his arm on August 4, in Canton Coal Company's mine. He leaves a widow and three children.

Respectfully submitted,

THOMAS P. BACK,

Inspector.

FATAL CASUALTIES, THIRD DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Widow	Children	Dependents	Cause of death
Jun. 2	Emil Zedric.....	19	Apprentice miner.....	St. David	Galesburg Mining Co.....						Falling slate
April 25	James G. Baxter.....	39	Dover.....	Canton	Rawalt Coal Co.....		1	1	2	3	Pit-car
Aug. 28	Dominick Viano.....	54	Miner.....	Norris	Canton Coal Co.....		1	1	3	4	Blood poison

NON-FATAL ACCIDENTS, THIRD DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days			Cause of injury	Number		Days lost by men returned		
	Number		Days lost by men returned		Number injured	Days lost			Injured	Not returned	Total	Average	
	Injured	Not returned	Total	Average									
Canton Coal Co., No. 2.....	25	1	767	31	10	483	48	Fall of person.....	4	1	56	19	
Dorthiel Coal Co., No. 2.....	5		265	53	5	265	53	Fall of roof and sides.....	14	3	376	34	
Dorthiel Coal Co., No. 3.....	1		11	11				Haulage.....	15		528	38	
Galesburg Mining Co., No. 3.....	23	2	710	34	8	520	65	Lifting.....	22	1	790	36	
Ill. Colliery Co., No. 3.....	7		208	30	3	166	55	Machinery.....	2		99	50	
Rawalt Coal Co., No. 1.....	1		13	13				Struck by objects.....	33	3	772	26	
Truax-Traer Coal Co., No. 1.....	7	1	235	59	59			Miscellaneous.....	5		70	18	
United Electric Coal Co., No. 1.....	6	2	76	19									
Shipping mines.....	75	6	2,285	33	26	1,434	55	Included in above					
Local mines.....	20	2	406	23	2	85	43						
All mines.....	95	8	2,691	31	28	1,519	54						
									95	8	2,691	31	

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	United Electric C. Co., No. 9	Cuba	393,437	228,154	145,227			1,386	18,670
2	Truax Traer Coal Co.	St. David	375,702	229,392	146,310				
3	Canton Coal Co.	Canton	272,711	84,682	186,012		421	1,596	
4	Dorthel Coal Co., No. 2	Farmington	122,676	49,032	72,350		912	382	
5	Illinois Colliery Co.	Farmington	35,189	13,827	10,400		10,962		
6	Dorthel Coal Co., No. 3	Farmington	24,718	24,437			149	132	
7	Rawalt Coal Co.	Canton	5,048	5,000				48	
Total 7 mines			1,229,481	634,524	560,299		12,444	3,544	18,670
LOCAL MINES									
1	Blakly Coal Co.	Canton	15,493				15,293	200	
2	Pschirrer & Sons Coal Co.	Canton	11,355				11,300	55	
3	Clearview Mine	Canton	11,272				11,221	51	
4	Long & Alcott	Fairview	10,802				10,070	732	
5	Westerby Bros.	Farmington	8,998				7,098	1,900	
6	F. J. Lovell	Ipava	7,500				7,500		
7	Heniford & Leonard	Ipava	7,000				7,000		
8	Bohman Taylor	Glasford	4,000				4,000		
9	A. L. Hamm	Marietta	3,025				3,000	25	
10	J. T. Johnson	Canton	3,840				3,840		
11	Bryant Coal Co.	Bryant	3,257				3,257		
12	McLaughlin Bros.	Canton	2,775				2,575	200	
13	Nick Connell, Sr.	Farmington	2,746				2,734	12	
14	Bennett Coal Co.	Canton	2,716				2,681	35	
15	Thompson Bros.	Canton	2,450				2,450		
16	Quality Coal Co.	Canton	2,400				2,050	350	
17	Joe Brons	Norris	2,229				2,179	50	
18	T. E. Wilson	Summum	2,144				2,144		
19	Asa Roach & Co.	Avon	2,100				2,100		
20	Jerry Vocum & Sons	Lewistown	2,000				2,000		
21	Boyd Grim	Canton	2,000				2,000		
22	Chas. Bedwell	Fairview	2,000				2,000		
23	Jake Muzzy & Chas. Finley	Ipava	2,000				2,000		
24	Stevenson Bros.	Fiatt	1,725				1,600	125	
25	C. & W. Coal Co.	Astoria	1,658				1,658		
26	Bob Coal Mine (Lutz & Grissom)	Astoria	1,590				1,480	110	
27	Planque & McElroy	Canton	1,548				1,545	3	
28	Jesse Goodman	Lewistown	1,500				1,500		
29	Glenn Coal Co. (David Thomas)	Astoria	1,491				1,026	465	
30	L. J. McGinnis	Canton	1,477				1,477		
31	Chas. Ditts & Son	Fiatt	1,400				1,400		
32	Frank Brown & Sons	Bryant	1,246				1,246		
33	E. H. Murphy & Son	Canton	1,196				1,046	150	
34	Roy Post	Cuba	1,190				1,040	150	
35	D. W. Buel	Avon	1,182				1,182		
36	Albert Zaborac	St. David	1,159				1,159		
37	Black Eagle Coal Co.	Canton	1,100				1,080	20	
38	Davis Bros.	Astoria	1,100				1,100		
39	Coperas Creek Coal Co.	Breeds	1,035				1,035		
40	116 mines producing less than 1,000 tons each		33,813				33,416	397	
Total 155 mines			169,512				164,482	5,030	
Total 162 mines			1,398,993	634,524	560,299		176,926	8,574	18,670

THIRD DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds.	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
100	154	.....	.....	.....	.....	.....	.....	.....	.....	393,437	.....	1
65	197	.....	.....	26,150	.....	.....	.....	.....	.....	375,702	.....	2
305	165	3,804	.....	100	.....	14	5	272,711	.....	.....	.....	3
256	101	3,420	.....	.....	.....	12	4	94,224	28,452	.....	23	4
82	104	761	6,300	.....	.....	2	.....	25,261	9,928	.....	21	5
186	26	738	.....	.....	.....	5	1	16,321	8,397	.....	12	6
9	99	124	.....	.....	.....	1	1	5,048	.....	.....	5	7
1,003	121	8,847	6,300	26,250	.....	34	11	413,565	46,777	769,139	61	.....
14	240	240	.....	.....	.....	2	.....	15,493	.....	.....	.....	1
22	170	250	.....	.....	.....	1	.....	11,355	.....	.....	.....	2
24	200	150	.....	.....	.....	1	.....	11,272	.....	.....	.....	3
18	244	600	.....	.....	.....	2	.....	10,802	.....	.....	.....	4
14	157	612	.....	.....	.....	.....	.....	.....	8,998	.....	.....	5
8	300	450	.....	.....	.....	2	.....	7,500	.....	.....	.....	6
2	200	70	.....	.....	.....	.....	.....	.....	7,000	.....	.....	7
2	250	25	.....	.....	.....	.....	.....	.....	4,000	.....	.....	8
7	150	120	.....	.....	.....	.....	.....	.....	3,025	.....	.....	9
3	170	28	.....	.....	.....	.....	.....	.....	3,840	.....	.....	10
6	200	90	.....	.....	.....	.....	.....	.....	3,257	.....	.....	11
10	150	140	.....	.....	.....	.....	.....	.....	2,775	.....	.....	12
9	120	201	.....	.....	.....	.....	.....	.....	2,746	.....	.....	13
5	210	126	.....	.....	.....	.....	.....	.....	2,716	.....	.....	14
9	234	200	.....	.....	.....	.....	.....	.....	2,450	.....	.....	15
12	313	175	.....	.....	.....	.....	.....	.....	2,400	.....	.....	16
8	165	127	.....	.....	.....	.....	.....	.....	2,229	.....	.....	17
11	200	125	.....	.....	.....	.....	.....	.....	2,144	.....	.....	18
6	140	210	.....	.....	.....	.....	.....	.....	2,100	.....	.....	19
8	90	60	.....	.....	.....	.....	.....	.....	2,000	.....	.....	20
2	120	4	.....	.....	.....	.....	.....	.....	.....	2,000	.....	21
8	200	167	.....	.....	.....	.....	.....	.....	2,000	.....	.....	22
2	120	.....	.....	.....	.....	.....	.....	.....	.....	2,000	.....	23
5	250	145	.....	.....	.....	.....	.....	.....	1,725	.....	.....	24
8	270	115	.....	.....	.....	.....	.....	.....	1,658	.....	.....	25
5	152	45	.....	.....	.....	.....	.....	.....	1,590	.....	.....	26
5	216	60	.....	.....	.....	.....	.....	.....	1,548	.....	.....	27
8	70	25	.....	.....	.....	.....	.....	.....	.....	1,500	.....	28
9	79	52	.....	.....	.....	.....	.....	.....	1,491	.....	.....	29
6	147	74	.....	.....	.....	.....	.....	.....	1,477	.....	.....	30
3	240	114	.....	.....	.....	.....	.....	.....	1,400	.....	.....	31
4	250	70	.....	.....	.....	.....	.....	.....	1,246	.....	.....	32
6	240	54	.....	.....	.....	.....	.....	.....	1,196	.....	.....	33
3	125	52	.....	.....	.....	.....	.....	.....	1,190	.....	.....	34
3	225	85	.....	.....	.....	.....	.....	.....	1,182	.....	.....	35
2	168	63	.....	.....	.....	.....	.....	.....	1,159	.....	.....	36
13	75	90	.....	.....	.....	.....	.....	.....	1,100	.....	.....	37
5	235	65	.....	.....	.....	.....	.....	.....	1,100	.....	.....	38
12	70	65	.....	.....	.....	.....	.....	.....	1,035	.....	.....	39
363	11,627	1,526	.....	.....	.....	.....	.....	.....	27,709	6,104	.....	40
670	121	6,870	.....	.....	.....	9	.....	56,422	101,486	11,604	.....	.....
1,673	121	15,717	6,300	26,250	.....	43	11	469,987	148,263	780,743	.....	.....

HANCOCK COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	LOCAL MINES								
1	F. E. Meredith & Son	Augusta	1,600				1,600		
2	4 mines producing less than 1,000 tons each		1,535				1,535		
	Total 5 mines		3,135				3,135		

KNOX COUNTY

SHIPPING MINES									
1	Galesburg Mining Co.	Galesburg	290,581	21,616	240,518		27,884	563	
LOCAL MINES									
1	Knoxville Mining Co.	Knoxville	23,287				23,205	82	
2	Davison & Marse	Maquon	7,529				7,529		
3	A. Stoughton	Middle Grove	3,197				3,157	40	
4	Otis Bowman	Yates City	3,000				2,600	400	
5	F. V. Pointer & Son	Abingdon	1,050				1,050		
6	Erie Strom	Victoria	1,040				1,040		
7	L. Holford	Maquon	1,000				800	200	
8	30 mines producing less than 1,000 tons each		10,113				9,890	223	
	Total 37 mines		50,216				49,271	945	
	Total 38 mines		340,797	21,616	240,518		77,155	1,508	

McDONOUGH COUNTY

LOCAL MINES									
1	Baird Coal Co.	Colchester	2,064				2,064		
2	Baird & Reynolds	Colchester	1,694				1,694		
3	John S. Nelson	Colchester	1,200				1,200		
4	27 mines producing less than 1,000 tons each		6,878				6,868	10	
	Total 30 mines		11,836				11,826	10	

SCHUYLER COUNTY

LOCAL MINES									
1	Schuyler Coal Co.	Rushville	12,500				11,780	720	
2	Alex Chesky & Jno. Sanders	Rushville	7,000				6,900	100	
3	Ora Wheelhouse & Son	Rushville	3,375				3,375		
4	A. H. McCormick & Son	Rushville	3,000				3,000		
5	Marine & Lewis	Rushville	1,620				1,586	34	
6	E. E. Vogler	Littleton	1,132				1,132		
7	Clyde Sprinkle	Littleton	1,000				1,000		
8	20 mines producing less than 1,000 tons each		5,941				5,912	29	
	Total 27 mines		35,568				34,685	883	

THIRD DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynomite—pounds	Permissibles—pounds	Mining machines	Motors					
6	250	.....	.....	.....	.....	.....	.....	.....	1,600	.....	.....	1
14	489	.....	.....	.....	.....	.....	.....	.....	1,495	40	.....	2
20	148	.....	.....	.....	.....	.....	.....	.....	3,095	40	.....

THIRD DISTRICT

300	210	7,382	.....	.....	.....	12	6	229,425	61,156	.....	30	1
14	250	1,148	.....	.....	.....	1	.....	11,105	12,182	.....	.....	1
3	250	750	.....	.....	.....	.....	.....	.....	7,529	.....	.....	2
5	200	210	.....	.....	.....	.....	.....	.....	3,197	.....	.....	3
8	186	200	.....	.....	.....	.....	.....	.....	3,000	.....	.....	4
8	150	.....	.....	.....	.....	.....	.....	.....	1,050	.....	.....	5
7	130	.....	.....	.....	.....	.....	.....	.....	1,040	.....	.....	6
6	100	150	.....	.....	.....	.....	.....	.....	1,000	.....	.....	7
81	3,758	405	.....	.....	.....	.....	.....	.....	10,113	.....	.....	8
132	136	2,863	.....	.....	.....	1	.....	11,105	39,111	.....	.....
432	138	10,245	.....	.....	.....	13	6	240,530	100,267	.....	.....

THIRD DISTRICT

10	150	.....	.....	.....	.....	.....	.....	.....	.....	2,064	.....	1
12	165	.....	.....	.....	.....	.....	.....	.....	1,694	.....	.....	2
6	180	.....	.....	.....	.....	.....	.....	.....	1,200	.....	.....	3
66	2,795	25	.....	.....	.....	.....	.....	.....	6,758	120	.....	4
94	110	25	.....	.....	.....	.....	.....	.....	9,652	2,184	.....

THIRD DISTRICT

15	158	30	.....	.....	.....	.....	.....	.....	.....	12,500	.....	1
13	200	400	.....	.....	.....	.....	.....	.....	7,000	.....	.....	2
9	180	150	.....	.....	.....	.....	.....	.....	3,375	.....	.....	3
7	275	250	.....	.....	.....	.....	.....	.....	3,000	.....	.....	4
9	73	118	.....	.....	.....	.....	.....	.....	1,620	.....	.....	5
7	180	120	.....	.....	.....	.....	.....	.....	1,132	.....	.....	6
4	200	60	.....	.....	.....	.....	.....	.....	1,000	.....	.....	7
52	2,325	236	.....	.....	.....	.....	.....	.....	5,691	250	.....	8
116	133	1,364	.....	.....	.....	.....	.....	.....	22,818	12,750	.....

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	LOCAL MINES								
1	Baker & Howard	Alexis	2,070				1,890	180	
2	6 mines producing less than 1,000 tons each		2,602				2,574	28	
	Total 7 mines		4,672				4,464	208	

THIRD DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
10	174	187							2,070			1
20	1,167	115							2,602			2
30	192	302							4,672			

THIRD DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employes
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Fulton.....	7	1,229,481	634,524	560,299	.....	12,444	3,544	18,670	1,003
Knox.....	1	290,581	21,616	240,518	.....	27,884	563	.....	300
Total.....	8	1,520,062	656,140	800,817	.....	40,328	4,107	18,670	1,303

LOCAL MINES,

Fulton.....	155	169,512	.....	.....	.....	164,482	5,030	.....	670
Hancock.....	5	3,135	.....	.....	.....	3,135	.....	.....	20
Knox.....	37	50,216	.....	.....	.....	49,271	945	.....	132
McDonough....	30	11,836	.....	.....	.....	11,826	10	.....	94
Schuyler.....	27	35,568	.....	.....	.....	34,685	883	.....	116
Warren.....	7	4,672	.....	.....	.....	4,464	208	.....	30
Total.....	261	274,939	.....	.....	.....	267,863	7,076	.....	1,062

ALL MINES,

Fulton.....	162	1,398,993	634,524	560,299	.....	176,926	8,574	18,670	1,673
Hancock.....	5	3,135	.....	.....	.....	3,135	.....	.....	20
Knox.....	38	340,797	21,616	240,518	.....	77,155	1,508	.....	432
McDonough....	30	11,836	.....	.....	.....	11,826	10	.....	94
Schuyler.....	27	35,568	.....	.....	.....	34,685	883	.....	116
Warren.....	7	4,672	.....	.....	.....	4,464	208	.....	30
Total.....	269	1,795,001	656,140	800,817	.....	308,191	11,183	18,670	2,365

BY COUNTIES, SHIPPING MINES

Days operated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of animals underground
	Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds			Machine	Hand	Stripping	
121	8,847	6,300	26,250	.....	34	11	413,565	46,777	769,139	61
210	7,382	.....	.....	.....	12	6	229,425	61,156	.....	30
132	16,229	6,300	26,250	.....	46	17	642,990	107,933	769,139	91

THIRD DISTRICT

121	6,870	.....	.....	.....	9	.....	56,422	101,486	11,604	.....
148	.....	.....	.....	.....	.....	.....	.....	3,095	40	.....
136	2,863	.....	.....	.....	1	.....	11,105	39,111	.....	.....
110	25	.....	.....	.....	.....	.....	.....	9,652	2,184	.....
133	1,364	.....	.....	.....	.....	.....	.....	22,818	12,750	.....
192	302	.....	.....	.....	.....	.....	.....	4,672	.....	.....
134	11,424	.....	.....	.....	10	.....	67,527	180,834	26,578	.....

THIRD DISTRICT

121	15,717	6,300	26,250	.....	43	.....	469,987	148,263	780,743	.....
148	.....	.....	.....	.....	.....	.....	.....	3,095	40	.....
138	10,245	.....	.....	.....	1	.....	240,530	100,267	.....	.....
110	25	.....	.....	.....	.....	.....	.....	9,652	2,184	.....
133	1,364	.....	.....	.....	.....	.....	.....	22,818	12,750	.....
192	302	.....	.....	.....	.....	.....	.....	4,672	.....	.....
126	27,653	6,300	26,250	.....	56	17	710,517	288,767	795,717	.....

FOURTH DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Fourth Inspection District, comprising the coal producing Counties of Christian, *Logan, Menard, Morgan, Pike, Sangamon and Scott, for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal	7
Number of shipping mines	19
Number of local mines	30
Number of employees underground	7,219
Number of employees on surface	899
Total number employed	8,118
Tons of coal produced in shipping mines	6,313,977
Tons of coal produced in local mines	233,151
Tons of coal produced, total	6,547,128
Days operated, shipping mines, average	138
Days operated, local mines, average	163
Number of undercutting machines	121
Tons undercut	4,123,866
Tons mined by hand	2,423,262
Number of loading machines used	212
Tons loaded mechanically	3,191,268
Number of fatal accidents	8
Number of non-fatal accidents	664
Number of employees to each fatality	1,015
Number employed to each non-fatal accident	122.3
Tons of coal mined to each fatality	818,391
Tons mined to each non-fatal accident	9,860
Number of fatalities per 1000 employed	1.0
Number injured per 1000 employed	81.8

*Logan County transferred from Second District.

IDLE MINES

Pana Coal Co., No. 2.
 Springside Coal Co.
 Peabody Coal Co., Nos. 6, 21, 54 and 55.
 C. W. & F., No. 1.
 Illinois Colliery, No. 2.
 Madison Coal Corporation, No. 6.
 Union Fuel Co., Nos. 2, 3, 4 and 5.
 Lincoln Coal Corporation.
 Utilities Coal Co.
 Brewerton Coal Co., No. 81.
 H. F. Young Coal Co., operated as a local mine.

FATAL ACCIDENTS

January 15, John Seremin, trackman, age 58 years, married, was killed by a fall of slate in Peabody Coal Company's No. 7 mine. He leaves a widow and two children.

February 10, Harry England, motorman, age 44 years, single, was killed by being struck by a derailed motor in Panther Creek Coal Company's No. 1 mine.

February 25, Charles Anderson, driver, age 53 years, single, was killed by a fall of rock in Penwell Coal Company's mine.

February 25, James Inglis, machine helper, age 42 years, married, was killed in Peabody Coal Company's No. 58 mine by a fall of rock. He leaves a widow and one child.

May 7, Andrew Keirs, motorman, age 30 years, married, was killed by being struck by a motor in Peabody Coal Company's No. 7 mine. He leaves a widow and one child.

May 19, Angelo Fassero, miner, age 44 years, married, died from injuries received December 22, when caught by a fall of clod, in Peabody Coal Company's No. 8 mine. He leaves a widow and one child.

August 22, James Savotsky, miner, age 54 years, married, died from injuries received October 23, 1929, when struck by a fall of slate. He leaves a widow and one child. This fatality is not charged against the coal production of 1931.

October 16, Walter Wansavage, miner, age 58 years, married, was killed by a fall of slate in Brewerton Coal Company's No. 92 mine. He leaves a widow.

December 2, William Machiney, loader, age 27 years, married, was killed by a fall of coal in Peabody Coal Company's No. 8 mine. He leaves a widow and two children.

Respectfully submitted,

HENRY MARSHALL,

Inspector.

FATAL CASUALTIES, FOURTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Jan. 15	John Seremin	58	Trackman	Kincaid	Peabody Coal Co.	7	1	1	1	2	3	Falling slate
Feb. 10	Harry England	44	Motorman	Girard	Panther Creek Coal Co.	1	1	1	1	1	1	Motor
Feb. 25	Charles Anderson	53	Driver	Millersville	Penwell Coal Co.	58	1	1	1	1	2	Falling coal
Feb. 25	James Inglis	42	Machine man	Taylorville	Peabody Coal Co.	7	1	1	1	1	2	Motor
May 7	Andrew Keirs, Jr.	30	Motorman	Kincaid	Peabody Coal Co.	8	1	1	1	1	2	Falling clod
May 19	Angelo Fassero	44	Miner	Kincaid	Peabody Coal Co.	92	1	1	1	1	1	Falling slate
Oct. 16	Walter Wansavage	58	Miner	Lincoln	Brewerton Coal Co.	8	1	1	1	2	3	Falling coal
Dec. 2	William Machiney	27	Loader	Tovey	Peabody Coal Co.	8	1	1	1	2	3	Falling coal

NON-FATAL ACCIDENTS, FOURTH DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned	
	Number		Days lost by men returned		Number injured	Days lost		Injured		Not returned	Total	Average	
	Injured	Not returned	Total	Average									
Brewerton Coal Co., No. 92	12	.....	768	64	6	652	109	Fall of person.....	59	6	1,759	33
Central Ill. Coal Co.....	22	1	409	19	6	218	36	Fall of roof and sides.....	106	9	3,382	35	
Mine B. Coal Co.....	36	3	1,189	36	17	882	52	Haulage.....	110	11	3,742	38	
Pana Coal Co., No. 1.....	27	1	697	24	9	441	49	Lifting.....	105	4	3,382	33	
Panther Creek Mines, No. 1.....	60	7	1,775	33	24	1,465	61	Machinery.....	19	.....	813	43
Panther Creek Mines, No. 3.....	1	.....	12	12	.....	.....	.....	Struck by objects.....	235	6	6,980	30
Panther Creek Mines, No. 4.....	26	.....	504	19	4	150	37	Miscellaneous.....	24	2	540	25
Panther Creek Mines, No. 5.....	11	4	177	25	3	123	41	Not stated.....	6	.....	74	12
Peabody Coal Co., No. 7.....	58	8	1,444	29	22	1,065	48	.....	.....	.....	.....	.....
Peabody Coal Co., No. 8.....	89	3	2,914	34	40	2,303	58	.....	.....	.....	.....	.....
Peabody Coal Co., No. 9.....	56	.....	1,705	30	28	1,288	46	.....	.....	.....	.....	.....
Peabody Coal Co., No. 9.....	24	.....	993	41	14	837	60	.....	.....	.....	.....	.....
Peabody Coal Co., No. 52.....	28	1	1,056	39	16	885	55	.....	.....	.....	.....	.....
Peabody Coal Co., No. 53.....	32	.....	1,406	44	23	1,231	54	.....	.....	.....	.....	.....
Peabody Coal Co., No. 57.....	28	.....	1,222	44	17	994	58	.....	.....	.....	.....	.....
Peabody Coal Co., No. 58.....	59	3	1,259	22	14	678	48	.....	.....	.....	.....	.....
Peabody Coal Co., No. 59.....	49	5	1,527	35	24	1,186	49	.....	.....	.....	.....	.....
Penwell Coal Co., No. 59.....	10	2	287	36	3	200	67	.....	.....	.....	.....	.....
Sangamon Coal Co., No. 2.....	20	.....	796	40	13	664	51	.....	.....	.....	.....	.....
Shipping mines.....	648	38	20,140	33	283	15,262	54	Included in above	.....	.....	.....	.....
Local mines.....	16	.....	532	33	4	313	78		.....	.....	.....	.....
All mines.....	664	38	20,672	33	287	15,575	54		664	38	20,672	33	

CHRISTIAN COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	Peabody Coal Co., No. 8	Tovey	803,470	770,889	17,614		5,957	560	8,450
2	Peabody Coal Co., No. 7	Kincaid	740,218	687,206	18,846		3,369	760	30,037
3	Peabody Coal Co., No. 9	Langleyville	726,331	676,779	19,680		1,286	785	27,801
4	Peabody Coal Co., No. 58	Taylorville	467,675	141,486	271,909		30,870	3,990	19,420
5	Pana Coal Co., No. 1	Pana	142,735	50,383	20,337	23,237	33,966	14,249	563
6	Penwell Coal Mining Co.	Pana	100,571	65,617	4,308		24,497	5,300	849
Total 6 mines			2,981,000	2,392,360	352,694	23,237	99,945	25,644	87,120
LOCAL MINES									
1	H. W. Young	Edinburg	6,378				6,066	312	
Total 7 mines			2,987,378	2,392,360	352,694	23,237	106,011	25,956	87,120

LOGAN COUNTY

SHIPPING MINES									
1	Brewerton Coal Co., No. 92	Lincoln	114,519	30,363	4,072	17,400	54,783	7,560	341

MENARD COUNTY

LOCAL MINES									
1	Greenview Mining Co.	Greenview	27,656	.....	.....	.....	27,656	.....	.....
2	Johnson Valley Coal Co.	Fancy Prairie	20,383	.....	.....	.....	19,183	1,200	.....
3	W. F. Sewell & Jesse K. Bell	Petersburg	10,800	.....	.....	.....	10,200	600	.....
4	Perkins & Hughes	Athens	7,012	.....	.....	.....	7,012	.....	.....
5	Klingbeil Bros.	Petersburg	5,200	.....	.....	.....	5,200	.....	.....
6	John W. Mallergren	Petersburg	4,268	.....	.....	.....	2,871	1,397	.....
7	Chas. Whitehurst	Tallula	3,454	.....	.....	.....	2,880	574	.....
8	Mrs. Mary Passini	Petersburg	2,293	.....	.....	.....	1,993	300	.....
9	Brandt & Walker	Tallula	2,177	.....	.....	.....	1,800	377	.....
10	Fred W. Otken	Tallula	2,100	.....	.....	.....	2,100	.....	.....
11	Tebbrugge Bros.	Petersburg	1,757	.....	.....	.....	1,707	50	.....
12	Old Salem Coal Co.	Petersburg	1,115	.....	.....	.....	995	120	.....
13	Olowach, Maras & Co.	.....	1,000	.....	.....	.....	1,000	.....	.....
Total 13 mines			89,215	.....	.....	.....	84,597	4,618	.....

MORGAN COUNTY

LOCAL MINES									
1	Wagstaff & Smith	Murrayville	1,066	.....	.....	.....	1,066	.....	.....

FOURTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
1,104	127	13,003				52	20	803,470				1
446	149		283,200	27,750		11	28	740,218				5
421	143		190,750	20,500		15	28	726,331				2
359	143		145,300			5	20	467,675				3
192	166		25,575		13,275		1		142,735			4
343	47	57	14,375		10,650	1	2	3,783	96,788			7
												5
2,865	129	13,060	659,200	48,250	23,925	84	99	2,741,477	239,523			16
												6
25	78	345							6,378			31
2,890	122	13,405	659,200	48,250	23,925	84	99	2,741,477	245,901			1

FOURTH DISTRICT

213	206	5,322							114,519			1
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FOURTH DISTRICT

52	150	1,075				1		27,656				1
20	166	200				2		20,383				2
13	210	450				1		5,400	5,400			3
8	200	280							7,012			4
11	115	208							5,200			5
11	150	200				1		2,768	1,500			6
8	211	206							3,454			7
10	165	186							2,293			8
2	189	190							2,177			9
7	250	150							2,100			10
5	160	80							1,757			11
5	189	52							1,115			12
4	160	150							1,000			13
156	178	3,427				5		56,207	33,008			

FOURTH DISTRICT

6	105								1,066			1
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PIKE COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons					
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
LOCAL MINES								
1	Charles H. Casgrand	Barry	1,130				1,100	30

SANGAMON COUNTY

SHIPPING MINES								
1	Peabody Coal Co., No. 59....	Springfield.....	502,100	490,453			2,487	5,459
2	Panther Creek Mines, No. 1....	Auburn.....	456,238	225,130	207,795		14,359	8,649
3	Peabody Coal Co., No. 57....	Springfield.....	443,573	303,558	76,476		55,433	5,310
4	The Mine "B" Coal Co., "B"....	Springfield.....	330,175	199,877	92,261		31,555	1,704
5	Peabody Coal Co., No. 52....	Riverton.....	286,240	102,126	171,336		3,746	4,872
6	Peabody Coal Co., No. 51....	Springfield.....	267,678	252,856	5,078		2,712	2,724
7	Peabody Coal Co., No. 53....	Springfield.....	260,651	112,891	107,222		37,156	240
8	Central Ill. C. M. Co., "A"....	Springfield.....	228,788	165,876	51,799		10,461	246
9	Sangamon Coal Co., No. 2....	Springfield.....	194,826	115,838	55,578		20,700	2,710
10	Panther Creek Mines, No. 4....	Springfield.....	175,714	120,339	18,343	2,316	34,206	
11	Panther Creek Mines, No. 5....	Springfield.....	53,294	24,331	11,262		15,991	1,662
12	Panther Creek Mines, No. 3....	Springfield.....	19,181	17,823	1,051			307
Total 12 mines.....			3,218,458	2,131,098	798,201	2,316	228,806	33,883
LOCAL MINES								
1	Panther Creek Mines, No. 2....	Springfield.....	75,571				75,224	347
2	Joseph Taylor, No. 12.....	Springfield.....	22,681				22,102	579
3	J. S. Williamson.....	Loami.....	10,119				10,110	9
4	Barr Coal Co.....	Athens.....	7,320				6,700	620
5	Frank Howard.....	Athens.....	6,801				6,653	148
6	Miller Bros.....	Pleasant Plains	4,604				4,604	
7	Otto P. Wenneborg & Sons....	New Berlin.....	3,330				3,200	130
8	Plains Mining Co.....	Pleasant Plains	1,800				1,800	
9	Toney Enders.....	Farmingdale....	1,527				1,352	175
Total 9 mines.....			133,753				131,745	2,008
Total 21 mines.....			3,352,211	2,131,098	798,201	2,316	360,551	35,891

SCOTT COUNTY

LOCAL MINES								
15	mines producing less than 1,000 tons each.....		1,609				1,609	

FOURTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds.	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
4	90	35							1,130			1

FOURTH DISTRICT

310	245		629,800			6	3	502,100			21	1
700	149	26,252				1	16	4,383	451,855		1	2
558	197	27,397					4		443,573		34	3
514	150	18,298		50			4		330,175		24	4
343	134		343,600			8	5	286,240			29	5
301	144		261,500			6	3	267,678			21	6
335	135		285,350			9	5	260,651			34	7
329	142	6,630	137,375						228,788		34	8
365	166	10,113	21,850				3		194,826		18	9
347	107	8,954	31,150	50			3		175,714		19	10
218	63	3,098					2		53,294		14	11
268	17	1,003							19,181			12
4,588	137	101,745	1,710,625	100		30	48	1,321,052	1,897,406		215	
125	187	4,558							75,571			1
43	155	1,079							22,681			2
22	226	875							10,119			3
11	180	720							7,320			4
12	199	485							6,801			5
10	110	250							4,604			6
11	150	60				1		3,330				7
10	300	150				1		1,800				8
5	133	132							1,527			8
249	182	8,309				2		5,130	128,623			9
4,837	157	110,054	1,710,625	100		32	48	1,326,182	2,026,029			

FOURTH DISTRICT

12	129	30							1,609			1
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FOURTH DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employees
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Christian.....	6	2,981,000	2,392,360	352,694	23,237	99,945	25,644	87,120	2,865
Logan.....	1	114,519	30,363	4,072	17,400	54,783	7,560	341	213
Sangamon.....	12	3,218,458	2,131,098	798,201	2,316	228,806	33,883	24,154	4,588
Total.....	19	6,313,977	4,553,821	1,154,967	42,953	383,534	67,087	111,615	7,666

LOCAL MINES,

Christian.....	1	6,378	.....	.....	.....	6,066	312	.....	25
Menard.....	13	89,215	.....	.....	.....	84,597	4,618	.....	156
Morgan.....	1	1,066	.....	.....	.....	1,066	.....	.....	6
Pike.....	1	1,130	.....	.....	.....	1,100	30	.....	4
Sangamon.....	9	133,753	.....	.....	.....	131,745	2,008	.....	249
Scott.....	5	1,609	.....	.....	.....	1,609	.....	.....	12
Total.....	30	233,151	.....	.....	.....	226,183	6,968	.....	452

ALL MINES,

Christian.....	7	2,987,378	2,392,360	352,694	23,237	106,011	25,956	87,120	2,890
Logan.....	1	114,519	30,363	4,072	17,400	54,783	7,560	341	213
Menard.....	13	89,215	.....	.....	.....	84,597	4,618	.....	156
Morgan.....	1	1,066	.....	.....	.....	1,066	.....	.....	6
Pike.....	1	1,130	.....	.....	.....	1,100	30	.....	4
Sangamon.....	21	3,352,211	2,131,098	798,201	2,316	360,551	35,891	24,154	4,837
Scott.....	5	1,609	.....	.....	.....	1,609	.....	.....	12
Total.....	49	6,547,128	4,553,821	1,154,967	42,953	609,717	74,055	111,615	8,118

BY COUNTIES, SHIPPING MINES

Days oper- ated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of ani- mals under- ground
	Pow- der— kegs	Pellet pow- der— pounds	Dyna- mite— pounds	Permis- sibles— pounds			Machine	Hand	Stripping	
129	13,060	659,200	48,250	23,925	84	99	2,741,477	239,523	.....	31
206	5,322	.....	.....	.....	.....	.....	.....	114,519	.....	.....
137	101,745	1,710,625	100	.....	30	48	1,321,052	1,897,406	.....	215
138	120,127	2,369,825	48,350	23,925	114	147	4,062,529	2,251,448	.....	246

FOURTH DISTRICT

78	345	.....	.....	.....	.....	.....	.....	6,378	.....	.....
178	3,427	.....	.....	.....	5	.....	56,207	33,008	.....	.....
105	.....	.....	.....	.....	.....	.....	.....	1,066	.....	.....
90	35	.....	.....	.....	.....	.....	.....	1,130	.....	.....
182	8,309	.....	.....	.....	2	.....	5,130	128,623	.....	.....
129	30	.....	.....	.....	.....	.....	.....	1,609	.....	.....
163	12,146	.....	.....	.....	7	.....	61,337	171,814	.....	.....

FOURTH DISTRICT

122	13,405	659,200	48,250	23,925	84	.....	2,741,477	245,901	.....	.....
206	5,322	.....	.....	.....	.....	.....	.....	114,519	.....	.....
178	3,427	.....	.....	.....	5	.....	56,207	33,008	.....	.....
105	.....	.....	.....	.....	.....	.....	.....	1,066	.....	.....
90	35	.....	.....	.....	.....	.....	.....	1,130	.....	.....
157	110,054	1,710,625	100	.....	32	.....	1,326,182	2,026,029	.....	.....
129	30	.....	.....	.....	.....	.....	.....	1,609	.....	.....
153	132,273	2,369,825	48,350	23,925	121	.....	4,123,866	2,423,262	.....	.....

FIFTH DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Fifth Inspection District, comprising the coal producing Counties of Edgar, Macon, and Vermilion, for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal.....	3
Number of shipping mines.....	7
Number of local mines.....	103
Number of employees underground.....	2,981
Number of employees on surface.....	434
Total number employed.....	3,415
Tons of coal produced in shipping mines.....	2,399,121
Tons of coal produced in local mines.....	232,604
Tons of coal produced, total.....	2,631,725
Days operated, shipping mines, average.....	135
Days operated, local mines, average.....	122
Number of undercutting machines.....	105
Tons undercut.....	2,146,185
Tons mined by hand.....	153,939
Tons mined in strip mines.....	331,601
Number of loading machines used.....	43
Tons loaded mechanically.....	679,987
Number of fatal accidents.....	9
Number of non-fatal accidents.....	267
Number of employees to each fatality.....	379
Number employed to each non-fatal accident.....	12.8
Tons of coal mined to each fatality.....	292,414
Tons mined to each non-fatal accident.....	9,857
Number of fatalities per 1000 employed.....	2.6
Number injured per 1000 employed.....	78.5

CHANGE OF NAME

Taylor-English No. 3 to Tilton Mining Company.

IDLE MINES

Taylor English No. 2.
Lovington Coal Co.

FATAL ACCIDENTS

January 12, John J. Eder, trackman, age 37 years, married, was killed by falling rock in Peabody Coal Company's No. 24 mine. He leaves a widow and one child.

February 16, Lee R. Moore, timberman, age 77 years, married, was struck by a motor and killed in Hegeler Zinz Company's mine. He leaves a widow.

May 25, Isaac Earl Miller, conveyor loader, age 29 years, married, was killed in Peabody Coal Company's No. 24 mine by a fall of rock. He leaves a widow and three children.

July 19, Peter Sensky, machine runner, age 42 years, married, died from injuries received two days before when he was "kicked" by a mining machine, cutting his leg, in U. S. Fuel Co's. Vermilion mine. He was taken to the hospital where he died from gas bacillus infection. He leaves a widow and one child.

September 24, James Ernest White, driver, age 28 years, married, died from injuries received September 15 in the Macon County Coal Company's mine. Deceased was bringing a trip of cars to the parting and in some way unknown was thrown under the trip. He leaves a widow.

September 29, Frank Collins, miner, age 65 years, married, was killed in P. J. Dowiatt and Sons local mine by a fall of rock. He leaves a widow and five children.

November 2, Zimri F. Lewis, timberman, age 54 years, married, was killed by a fall of rock in United States Fuel Company's Bunsenville mine. He leaves a widow and one child.

November 5, Gustavus A. Pitts, carpenter, age 69 years, married, fell off a ladder at Macon County Coal Company's mine and was killed. He leaves a widow.

November 21, Charles S. Stuebe, laborer, age 64 years, single, was killed by a fall of rock in Peabody Coal Company's No. 24 mine.

Respectfully submitted,

FRED T. HODGES,

Inspector.

FATAL CASUALTIES, FIFTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Jan. 12	John J. Eder.....	37	Trackman.....	Georgetown.....	Peabody Coal Co.....	24	1	1	1	1	2	Falling rock
Feb. 18	Lee R. Moore.....	77	Timberman.....	Danville.....	Hegeler Zinc Co.....	24	1	1	1	1	1	Motor
May 25	Isaac Earl Miller.....	29	Machine loader.....	Grape Creek.....	Peabody Coal Co.....	24	1	1	1	3	4	Falling rock
July 19	Peter Sensky.....	42	Machine man.....	Georgetown.....	U. S. Fuel Co.....	Verm.	1	1	1	1	2	Mining machine
Sept. 24	James E. White.....	28	Driver.....	Danville.....	Macon County Coal Co.....	M. C.	1	1	1	1	1	Pit-cars
Sept. 29	Frank Collins.....	65	Miner.....	Danville.....	P. J. Dowditt & Sons.....	Bun.	1	1	1	5	6	Falling rock
Nov. 2	Zimri F. Lewis.....	54	Timberman.....	Georgetown.....	U. S. Fuel Co.....	Bun.	1	1	1	1	2	Falling rock
Nov. 5	Gustavus A. Pitts.....	69	Carpenter.....	Danville.....	Macon County Coal Co.....	24	1	1	1	1	1	Fell from ladder
Nov. 21	Charles S. Stuebe.....	64	Laborer.....	Danville.....	Peabody Coal Co.....	24	1	1	1	1	1	Falling rock

NON-FATAL ACCIDENTS, FIFTH DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned	
	Number		Days lost by men returned		Number injured	Days lost		Injured		Not returned	Total	Average	
	Injured	Not returned	Total	Average									
Macon County Coal Co.	36	6	1,022	34	19	812	43	Fall of person.....	26	6	619	31	
Peabody Coal Co., No. 24.....	77	10	1,975	29	24	1,301	54	Fall of roof and sides...	92	16	3,026	40	
Tilton Coal Co.	1		35	35	1	35	35	Haulage.....	38	5	1,039	31	
United Electric Coal Co., No. 1.....	6		98	16				Lifting.....	26	1	724	29	
U. S. Fuel Co., Bunsen.....	64	6	2,122	37	33	1,696	51	Machinery.....	12		521	43	
U. S. Fuel Co., Vermilion.....	61	7	1,860	34	25	1,419	57	Struck by objects.....	69	4	1,587	24	
								Miscellaneous.....	4		110	27	
Shipping mines.....	245	29	7,112	31	102	5,263	52	Included in above					
Local mines.....	22	3	514	3	7	330	47						
All mines.....	267	32	7,626	31	109	5,593	51		267	32	7,626	31	

EDGAR COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	LOCAL MINES								
1	Edgar County Coal Corp.	Paris	9,064				8,062	1,002	
2	mines producing less than 1,000 tons each		364				337	27	
	Total 3 mines		9,428				8,399	1,029	

MACON COUNTY

SHIPPING MINES								
1	Macon County Coal Co.	Decatur	82,274	3,786			74,948	2,540
								1,000

VERMILION COUNTY

SHIPPING MINES								
1	United States Fuel Co., "Bun"	Georgetown	731,119	537,744	188,616		1,534	3,225
2	Peabody Coal Co., No. 24	Danville	645,363	350,644	281,809		2,300	5,731
3	United States Fuel Co., "Verm."	Georgetown	602,806	451,937	133,720	908	11,726	4,515
4	United Elec. Coal Cos., No. 1	Danville	324,151	190,147	117,317		5,733	2,060
5	Tilton Mining Co.	Danville	9,949	3,502			6,440	4
6	United Elec. Coal Cos., No. 14	Danville	3,459	3,459				3
	Total 6 mines		2,316,847	1,537,433	721,462	908	27,733	15,535
LOCAL MINES								
1	The Hegeler Zinc Co.	Danville	77,053					77,053
2	Everett Meeker	Danville	11,600				11,530	70
3	P. J. Dowdatt & Sons C. Co.	Westville	10,293				9,531	762
4	Central Coal Co.	Catlin	8,928				8,928	
5	W. T. and A. S. Mauck	Danville	7,300				7,100	200
6	James H. Crawford	Danville	7,150				7,150	
7	Achille Lete & Son	Danville	5,750				5,710	40
8	M. and B. Coal Co.	Danville	5,177				4,877	300
9	Wm. Duvall & R. S. Wyatt	Danville	4,683				4,683	
10	L. Balducchi	Fairmount	4,215				3,800	415
11	Lime Spring Coal Co.	Danville	4,000				4,000	
12	Harry Brown	Danville	3,702				3,600	102
13	Lanam & Ferry	Danville	3,693				3,693	
14	John Mauck, Jr.	Danville	3,120				3,120	
15	Lind Coal Co.	Danville	3,000				2,800	200
16	Jake Spicia	Danville	3,000				2,600	400
17	Alex Anderson	Danville	2,904				2,904	
18	Evans & Larson	Danville	2,800				2,800	
19	J. G. Shelton	Tilton	2,700				2,700	
20	Lind Bros. Coal Co.	Danville	2,500				2,490	10
21	Geo. Lomax & Co.	Oakwood	2,340				1,560	780
22	C. O. Jones	Danville	2,040				2,000	40
23	Bert Thatcher	Catlin	1,950				1,950	
24	Brown & Talbert	Grape Creek	1,678				1,678	
25	R. C. Wilson	Danville	1,548				1,548	
26	John Larson	Grape Creek	1,534				1,534	
27	Wm. & David Jinkins	Catlin	1,500				1,500	
28	Indian Hill Coal Co.	Danville	1,450				1,450	

FIFTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
19	119	650	9,064	1
6	101	36	364	2
25	73	686	9,428

FIFTH DISTRICT

255	144	200	400	9	2	82,274	25	1
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FIFTH DISTRICT

1,011	125	29	139,000	31	17	730,932	187	11	1
422	208	337	312,750	17	10	629,878	15,485	37	2
881	125	3,717	.....	.....	44,525	33	14	602,360	446	.....	19	3
103	191	.....	.....	.....	.....	1	.....	.....	.....	324,151	6	4
33	147	374	.....	.....	.....	5	.....	8,139	1,810	.....	5	5
133	4	.....	.....	.....	.....	.....	.....	3,459	.....	.....	8	6
2,583	133	4,457	312,750	.....	183,525	87	41	1,974,768	17,928	324,151	81	.....
110	210	890	.....	.....	.....	3	.....	63,435	13,618	.....	1	.....
10	203	140	.....	.....	.....	1	.....	11,600	.....	.....	2	.....
30	214	409	.....	.....	.....	.....	.....	.....	10,293	.....	3	.....
19	150	445	.....	.....	.....	.....	.....	.....	8,928	.....	4	.....
13	140	360	.....	.....	.....	.....	.....	.....	7,300	.....	5	.....
15	261	311	.....	.....	.....	1	.....	947	6,203	.....	6	.....
11	175	200	.....	.....	.....	.....	.....	.....	5,750	.....	7	.....
14	151	215	.....	.....	.....	1	.....	5,177	.....	.....	8	.....
8	285	187	.....	.....	.....	.....	.....	.....	4,683	.....	9	.....
10	151	228	.....	.....	.....	.....	.....	.....	4,215	.....	10	.....
11	97	200	.....	.....	.....	1	.....	2,300	1,700	.....	11	.....
7	203	65	.....	.....	.....	1	.....	2,780	922	.....	12	.....
10	150	50	.....	.....	.....	.....	.....	.....	.....	3,693	13	.....
5	312	208	.....	.....	.....	.....	.....	.....	3,120	.....	14	.....
6	250	300	.....	.....	.....	.....	.....	.....	3,000	.....	15	.....
10	120	150	.....	.....	.....	.....	.....	.....	3,000	.....	16	.....
11	72	42	.....	.....	.....	1	.....	2,904	.....	.....	17	.....
2	300	127	.....	.....	.....	.....	.....	.....	2,800	.....	18	.....
5	152	102	.....	.....	.....	.....	.....	.....	2,700	.....	19	.....
6	160	100	.....	.....	.....	.....	.....	.....	2,500	.....	20	.....
8	130	117	.....	.....	.....	.....	.....	.....	2,340	.....	21	.....
6	80	90	.....	.....	.....	.....	.....	.....	2,040	.....	22	.....
3	195	80	.....	.....	.....	.....	.....	.....	1,950	.....	23	.....
3	220	75	.....	.....	.....	.....	.....	.....	1,678	.....	24	.....
4	115	50	.....	.....	.....	.....	.....	.....	1,548	.....	25	.....
4	200	96	.....	.....	.....	.....	.....	.....	1,534	.....	26	.....
5	150	60	.....	.....	.....	.....	.....	.....	1,500	.....	27	.....
2	168	53	.....	.....	.....	.....	.....	.....	1,450	.....	28	.....

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
29	R. E. Riggle & W. A. Ridge..	Oakwood.....	1,444	.....	.....	.....	1,294	150	.....
30	W. E.-E. G. & A. G. Schafer	Danville.....	1,434	.....	.....	.....	1,409	25	.....
31	Perry Bales.....	Danville.....	1,400	.....	.....	.....	1,380	20	.....
32	H. A. Lane.....	Danville.....	1,220	.....	.....	.....	1,220	.....	.....
33	Steve Sporcich & G. Yonkus	Danville.....	1,194	.....	.....	.....	1,194	.....	.....
34	O. R. Fredrickson.....	Danville.....	1,060	.....	.....	.....	1,060	.....	.....
35	Henry Hunt.....	Hungry Hollow	1,050	.....	.....	.....	1,050	.....	.....
36	Thurman Slade.....	Catlin.....	1,020	.....	.....	.....	900	120	.....
37	Thomas Brothers.....	Catlin.....	1,000	.....	.....	.....	1,000	.....	.....
38	J. W. Blue.....	Danville.....	1,000	.....	.....	.....	1,000	.....	.....
39	62 mines producing less than 1,000 tons each.....	.....	23,746	.....	.....	.....	23,150	596	.....
	Total 100 mines.....	.....	223,176	.....	.....	.....	141,893	81,283	.....
	Total 106 mines.....	.....	2,540,023	1,537,433	721,462	908	169,626	96,818	13,776

FIFTH DISTRICT—Concluded

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
4	145	60							1,444			29
6	108	92							1,434			30
6	140	70							1,400			31
5	150	50							1,220			32
3	300	70							1,194			33
2	260	42							1,060			34
5	80	36							1,050			35
4	70	40							1,020			36
6	100	38							1,000			37
4	120	40							1,000			38
159	5,888	1,012		75					19,989	3,757		39
552	124	6,900		75		9		89,143	126,583	7,450		
3,135	124	11,357	312,750	75	183,525	96	41	2,063,911	144,511	331,601		

FIFTH DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employees
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Macon.....	1	82,274	3,786	.....	.....	74,948	2,540	1,000	255
Vermilion.....	6	2,316,847	1,537,433	721,462	908	27,733	15,535	13,776	2,583
Total.....	7	2,399,121	1,541,219	721,462	908	102,681	18,075	14,776	2,838

LOCAL MINES,

Edgar.....	3	9,428	.....	.....	.....	8,399	1,029	.....	25
Vermilion.....	100	223,176	.....	.....	.....	141,893	81,283	.....	552
Total.....	103	232,604	.....	.....	.....	150,292	82,312	.....	577

ALL MINES,

Edgar.....	3	9,428	.....	.....	.....	8,399	1,029	.....	25
Macon.....	1	82,274	3,786	.....	.....	74,948	2,540	1,000	255
Vermilion.....	106	2,540,023	1,537,433	721,462	908	169,626	96,818	13,776	3,135
Total.....	110	2,631,725	1,541,219	721,462	908	252,973	100,387	14,776	3,415

BY COUNTIES, SHIPPING MINES

Days oper- ated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of ani- mals under- ground
	Pow- der— kegs	Pellet pow- der— pounds	Dyna- mite— pounds	Permis- sibles— pounds			Machine	Hand	Stripping	
144	.....	200	400	.....	9	2	82,274	.....	.....	25
133	4,457	312,750	.....	183,525	87	41	1,974,768	17,928	324,151	81
135	4,457	312,950	400	183,525	96	43	2,057,042	17,928	324,151	106

FIFTH DISTRICT

73	686	.....	.....	.....	.....	.....	9,428	.....	.....
124	6,900	.....	75	.....	9	89,143	126,583	7,450	.....
122	7,586	.....	75	.....	9	89,143	136,011	7,450	.....

FIFTH DISTRICT

73	686	.....	.....	.....	.....	.....	9,428	.....	.....
144	.....	200	400	.....	9	82,274	.....	.....	.....
124	11,357	312,750	75	183,525	96	2,063,911	144,511	331,601	.....
123	12,043	312,950	475	183,525	105	2,146,185	153,939	331,601	.....

SIXTH DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Sixth Inspection District, comprising the coal producing Counties of Greene, Jersey, Macoupin, Montgomery and Shelby for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal	5
Number of shipping mines	12
Number of local mines	36
Number of employees underground	4,515
Number of employees on surface	552
Total number employed	5,057
Tons of coal produced in shipping mines	5,263,371
Tons of coal produced in local mines	41,827
Tons of coal produced, total	5,305,198
Days operated, shipping mines, average	156
Days operated, local mines, average	145
Number of undercutting machines	87
Tons undercut	5,089,018
Tons mined by hand	216,180
Number of loading machines used	21
Tons loaded mechanically	4,876,303
Number of fatal accidents	9
Number of non-fatal accidents	433
Number of employees to each fatality	563
Number employed to each non-fatal accident	11.7
Tons of coal mined to each fatality	589,465
Tons mined to each non-fatal accident	12,252
Number of fatalities per 1000 employed	1.8
Number injured per 1000 employed	85.5

IDLE MINES

Standard Oil Co., Nos. 1 and 2.
Consolidated Coal Co., Nos. 7 and 14.
Illinois Coal Corporation, No. 9.
Illinois Colliery Co., Nos. 3 and 4.
Indiana and Illinois Coal Corporation, Nos. 11, 12 and 15.
Perry Coal Co.
Union Fuel Co., No. 16.

FATAL ACCIDENTS

April 2, Mike Mario, machine runner, age 51 years, married, was killed in Consolidated Coal Company's No. 15 mine by a fall of coal. He leaves a widow and three children.

April 7, Pete Yarambo, miner, age 53 years, single, was killed in No. 2 mine, Superior Coal Company, by falling rock.

May 1, Battista Alice, miner, age 58 years, single, was killed by a fall of rock in Superior Coal Company's No. 1 mine.

May 27, Frank Dickerson, miner, age 74 years, married, was killed in Superior Coal Company's No. 3 mine, by a fall of roof. He leaves a widow.

June 15, John Hurcik, laborer, age 64 years, married, died from injuries received May 8, when caught by a fall of clod in Consolidated Coal Company's No. 15 mine. He leaves a widow.

October 3, at Rennie Brothers' mine, three men were going into the mine to begin the day's work, when the cage broke loose and fell to bottom of shaft, killing all three. Their names were: William Rennie, operator, age 51 years, leaves a widow; Hugh Rennie, operator, age 55 years, leaves two dependents, widow and grandchild; John Madison, miner, age 47 years, leaves a widow. The Rennie brothers were killed almost instantly; Madison died three days later.

November 28, Joseph Mitchell, miner, age 57 years, married, died from injuries received five days earlier, in Superior Coal Company's No. 4 mine. Deceased was loading coal when loose coal rolled against his leg, breaking it, resulting in death. He leaves a widow and one child.

Respectfully submitted,

JOHN K. FRASER,
Inspector.

FATAL CASUALTIES, SIXTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
April 2	Mike Mario.....	51	Machine man.....	Mt. Olive.....	Consolidated Coal Co.....	15	1	1	1	3	4	Falling coal
April 7	Pete Yarnbo.....	53	Miner.....	Bend.....	Superior Coal Co.....	2	1	1	1	1	1	Falling rock
April 11	Battista Alice.....	58	Miner.....	Bend.....	Superior Coal Co.....	1	1	1	1	1	1	Falling coal
May 27	Frank Dickerson.....	24	Miner.....	Gillespie.....	Superior Coal Co.....	3	1	1	1	1	1	Falling roof
June 15	Tom Hurdick.....	64	Miner.....	Mt. Olive.....	Consolidated Coal Co.....	15	1	1	1	1	1	Falling coal
Oct. 3	William Rennie.....	51	Laborer.....	Mt. Olive.....	Rennie Bros.....	.....	1	1	1	1	1	Falling cage
Oct. 3	William Rennie.....	55	Operator.....	Chesterfield.....	Rennie Bros.....	.....	1	1	1	1	2	Falling cage
Oct. 6	Hugh Rennie.....	27	Operator.....	Chesterfield.....	Rennie Bros.....	.....	1	1	1	1	1	Falling cage
Oct. 6	John Madison.....	57	Miner.....	Chesterfield.....	Rennie Bros.....	.....	1	1	1	1	1	Falling cage
Nov. 28	Joseph Mitchell.....	57	Miner.....	Bend.....	Superior Coal Co.....	4	1	1	1	1	2	Falling coal

NON-FATAL ACCIDENTS, SIXTH DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned									
	Number		Days lost by men returned		Number injured	Days lost		Average		Injured	Not returned	Total	Average								
	Injured	Not returned	Total	Average		Total	Average														
Consolidated Coal Co., No. 15	96	4	2,303	25	29	1,426	49	49	Fall of person.....	35	2	1,210	37								
Cosgrove-Meehan Coal Co., No. 5	33	3	551	18	4	169	42	42	Fall of roof and sides..	93	16	2,896	38								
Gillespie Coal Co.,.....	33	5	589	21	9	451	50	50	Haulage.....	51	6	1,835	41								
Hillsboro Coal Co.,.....	33	6	1,170	43	15	963	64	64	Lifting.....	41	2	1,320	34								
Ind. & Ill. Coal Corp., No. 10.....	46	11	1,575	45	16	1,225	77	77	Machinery.....	12	2	1,328	33								
Madison Coal Corp., No. 5.....	13	3	619	62	9	611	68	68	Struck by objects.....	182	11	5,161	30								
Moweaqua Coal Co.,.....	4	1	110	37	3	100	50	50	Miscellaneous.....	19	3	263	16								
Superior Coal Co., No. 1.....	26	1	1,124	45	15	942	63	63													
Superior Coal Co., No. 2.....	30	2	1,168	42	17	984	58	58													
Superior Coal Co., No. 3.....	50	2	1,751	36	27	1,320	50	50													
Superior Coal Co., No. 4.....	63	3	1,969	33	29	1,443	50	50													
Shipping mines.....	427	41	12,929	33	173	9,634	56	56	Included in above												
Local mines.....	6	1	84	17													
All mines.....	433	42	13,013	33	173	9,634	56	56		433	42	13,013	33								

GREENE COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
LOCAL MINES									
1	Clem Bateman.....	Roodhouse.....	7,850				7,850		
2	A. N. Poli.....	Greenfield.....	4,163				4,063	100	
3	W. H. Allen.....	Roodhouse.....	1,120				1,120	100	
4	13 mines producing less than 1,000 tons each.....		4,623				4,583	40	
Total 16 mines.....			17,756				17,616	140	

JERSEY COUNTY

LOCAL MINES								
1	Harris & Gamble.....	Delhi.....	1,232	.....	.....	.....	1,232	.....
2	3 mines producing less than 1,000 tons each.....	.....	854	.....	.....	.....	849	5
Total 4 mines.....			2,086	.....	.....	.....	2,081	5

MACOUPIN COUNTY

SHIPPING MINES								
1	Consolidated C. Co. of St. L.	Mt. Olive.....	1,008,199	611,278	335,805	.....	2,682	36,980
2	Superior Coal Co., No. 4.....	Gillespie.....	725,457	.....	704,080	.....	1,575	19,802
3	Superior Coal Co., No. 3.....	Gillespie.....	701,640	.....	673,044	.....	14,149	14,447
4	Superior Coal Co., No. 2.....	Gillespie.....	589,962	.....	573,294	.....	4,934	11,734
5	Superior Coal Co., No. 1.....	Gillespie.....	497,420	.....	481,599	.....	2,363	13,458
6	Gillespie Coal Co.....	Gillespie.....	345,773	339,356	.....	.....	.....	6,417
7	Madison Coal Corp., No. 5.....	Mt. Olive.....	106,228	.....	95,131	5,155	1,128	4,795
8	South Mine Coal Co.....	Carlville.....	9,753	1,250	.....	.....	8,503	.....
Total 8 mines.....			3,984,432	951,884	2,862,953	5,155	35,334	107,633
LOCAL MINES								
1	Ed. A. Banser.....	Bunker Hill.....	6,711	.....	.....	.....	6,711	.....
2	4 mines producing less than 1,000 tons each.....	.....	1,409	.....	.....	.....	1,359	50
Total 5 mines.....			8,120	.....	.....	.....	8,070	50
Total 13 mines.....			3,992,552	951,884	2,862,953	5,155	43,404	107,683

MONTGOMERY COUNTY

SHIPPING MINES								
1	Ind. & Ill. Coal Co., No. 10.	Nokomis.....	612,440	247,448	364,633	.....	.....	359
2	Cosgrove Meehan Coal Co., No. 5.....	Panama.....	404,545	171,194	219,591	.....	4,520	9,240
3	Hillsboro Coal Co.....	Hillsboro.....	238,447	108,850	87,278	.....	30,024	12,295
Total 3 mines.....			1,255,432	527,492	671,502	.....	34,544	21,894

SIXTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
2	125	.....	.....	.....	.....	.....	.....	.....	7,850	.....	.....	1
11	184	180	.....	.....	.....	.....	.....	.....	4,163	.....	.....	2
4	175	56	.....	.....	.....	.....	.....	.....	1,120	.....	.....	3
199	2,013	199	.....	.....	.....	.....	.....	.....	4,623	.....	.....	4
216	156	435	.....	.....	.....	.....	.....	.....	17,756	.....	.....

SIXTH DISTRICT

5	302	62	.....	.....	.....	.....	.....	.....	1,232	.....	.....	1
7	330	3	.....	.....	.....	.....	.....	.....	854	.....	.....	2
12	158	65	.....	.....	.....	.....	.....	.....	2,086	.....	.....

SIXTH DISTRICT

403	218	.....	141,350	.....	38,700	13	24	1,008,199	.....	.....	12	1
649	173	.....	.....	.....	119,650	5	19	725,457	.....	.....	2	2
681	201	120	.....	.....	103,050	4	16	701,640	.....	.....	2	3
609	169	.....	.....	.....	80,600	13	17	589,962	.....	.....	2	4
429	156	.....	.....	.....	75,300	5	16	497,420	.....	.....	6	5
167	263	.....	105,150	.....	.....	4	2	345,773	.....	.....	16	6
287	66	676	.....	.....	.....	8	4	106,228	.....	.....	15	7
34	75	160	.....	.....	.....	1	.....	9,753	.....	.....	4	8
3,259	165	956	246,500	.....	417,300	53	98	3,984,432	.....	.....	59	
14	230	101	.....	.....	.....	1	.....	6,711	.....	.....	.....	1
17	260	118	.....	.....	.....	.....	.....	.....	1,409	.....	.....	2
31	98	219	.....	.....	.....	1	.....	6,711	1,409	.....	.....
3,290	139	1,175	246,500	.....	417,300	54	98	3,991,143	1,409	.....	.....

SIXTH DISTRICT

646	136	1,103	85,550	.....	.....	12	20	439,642	172,798	.....	.....	1
446	158	.....	.....	.....	57,500	8	12	404,545	.....	.....	6	2
257	188	2,599	.....	.....	.....	6	4	238,447	.....	.....	.....	3
1,349	161	3,702	85,550	.....	57,500	26	36	1,082,634	172,798	.....	.....	6

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	Moweaqua Coal Corp.....	Moweaqua . . .	23,507	2,954	.....	.....	16,977	2,943	633
LOCAL MINES									
1	Arch Tallinger.....	Shelbyville . . .	4,510	.....	.....	.....	4,454	56	.....
2	J. G. Root.....	Shelbyville . . .	4,295	.....	.....	.....	4,295	.....	.....
3	Auld & Cruik.....	Shelbyville . . .	1,653	.....	.....	.....	1,640	13	.....
4	Okaw Coal Co.....	Shelbyville . . .	1,250	.....	.....	.....	1,240	10	.....
5	7 mines producing less than 1,000 tons each.....	.....	2,157	.....	.....	.....	2,110	47	.....
Total 11 mines			13,865	.....	.....	.....	13,739	126	.....
Total 12 mines			37,372	2,954	.....	.....	30,716	3,069	633

SIXTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds.	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
103	73	828	.....	.....	.....	7	1	15,241	8,266	.....	7	1
22	168	.....	.....	.....	.....	.....	.....	.....	4,510	.....	.....	1
16	212	.....	.....	.....	.....	.....	.....	.....	4,295	.....	.....	2
12	275	.....	.....	.....	.....	.....	.....	.....	1,653	.....	.....	3
11	200	.....	.....	.....	.....	.....	.....	.....	1,250	.....	.....	4
36	761	.....	.....	.....	.....	.....	.....	.....	2,157	.....	.....	5
97	147	.....	.....	.....	.....	.....	.....	.....	13,865	.....	.....	.....
200	141	828	.....	.....	.....	7	1	15,241	22,131	.....	.....	.....

SIXTH DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employees
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Macoupin.....	8	3,984,432	951,884	2,862,953	5,155	35,334	107,633	21,473	3,259
Montgomery...	3	1,255,432	527,492	671,502	.....	34,544	21,894	.....	1,349
Shelby.....	1	23,507	2,954	.....	.....	16,977	2,943	633	103
Total.....	12	5,263,371	1,482,330	3,534,455	5,155	86,855	132,470	22,106	4,711

LOCAL MINES,

Greene.....	16	17,756	.....	.....	.....	17,616	140	.....	216
Jersey.....	4	2,086	.....	.....	.....	2,081	5	.....	12
Macoupin.....	5	8,120	.....	.....	.....	8,070	50	.....	31
Shelby.....	11	13,865	.....	.....	.....	13,739	126	.....	97
Total.....	36	41,827	.....	.....	.....	41,506	321	.....	356

ALL MINES,

Greene.....	16	17,756	.....	.....	.....	17,616	140	.....	216
Jersey.....	4	2,086	.....	.....	.....	2,081	5	.....	12
Macoupin.....	13	3,992,552	951,884	2,862,953	5,155	43,404	107,683	21,473	3,290
Montgomery...	3	1,255,432	527,492	671,502	.....	34,544	21,894	.....	1,349
Shelby.....	12	37,372	2,954	.....	.....	30,716	3,069	633	200
Total.....	48	5,305,198	1,482,330	3,534,455	5,155	128,361	132,791	22,106	5,067

BY COUNTIES, SHIPPING MINES

Days operated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of animals underground
	Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissible—pounds			Machine	Hand	Stripping	
165	956	246,500	.....	417,300	53	98	3,984,432	.....	.....	59
161	3,702	85,550	.....	57,500	26	36	1,082,634	172,798	.....	6
73	828	.....	.....	.....	7	1	15,241	8,266	.....	7
156	5,486	332,050	.....	474,800	86	135	5,082,307	181,064	.....	72

SIXTH DISTRICT

156	435	.....	.....	.....	.....	.....	.....	17,756	.....	.....
158	65	.....	.....	.....	.....	.....	.....	2,086	.....	.....
98	219	.....	.....	.....	1	.....	6,711	1,409	.....	.....
147	.....	.....	.....	.....	.....	.....	.....	13,865	.....	.....
145	719	.....	.....	.....	1	.....	6,711	35,116	.....	.....

SIXTH DISTRICT

156	435	.....	.....	.....	.....	.....	.....	17,756	.....	.....
158	65	.....	.....	.....	.....	.....	.....	2,086	.....	.....
139	1,175	246,500	.....	417,300	54	.....	3,991,143	1,409	.....	.....
161	3,702	85,550	.....	57,500	26	.....	1,082,634	172,798	.....	.....
141	828	.....	.....	.....	7	.....	15,241	22,131	.....	.....
148	6,205	332,050	.....	474,800	87	.....	5,089,018	216,180	.....	.....

SEVENTH DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Seventh Inspection District, comprising the coal producing Counties of Bond, Crawford, Madison and Marion, for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal	4
Number of shipping mines	12
Number of local mines	10
Number of employees underground	1,997
Number of employees on surface	281
Total number employed	2,278
Tons of coal produced in shipping mines	1,505,906
Tons of coal produced in local mines	67,312
Tons of coal produced, total	1,573,218
Days operated, shipping mines, average	125
Days operated, local mines, average	140
Number of undercutting machines	83
Tons undercut	1,408,218
Tons mined by hand	165,000
Number of loading machines used	115
Tons loaded mechanically	1,002,064
Number of fatal accidents	5
Number of non-fatal accidents	150
Number of employees to each fatality	456
Number employed to each non-fatal accident	15.2
Tons of coal mined to each fatality	314,644
Tons mined to each non-fatal accident	10,488
Number of fatalities per 1000 employed	2.2
Number injured per 1000 employed	65.9

IDLE MINES

Peabody Coal Co., No. 17.
New Staunton Coal Co.
Franklin County Coal Co., No. 9.
Lumaghi Coal Co., No. 3.
East Side Coal Co., operated as a local mine.

FATAL ACCIDENTS

January 17, Sylvester Shiple, machine runner, age 47 years, single, was caught in bits of cutting chain and killed, in Bond County Coal Company's mine.

August 6, August Turner, motorman, age 36 years, single, was

struck by a jack handle and killed in Lumaghi Coal Company's mine. He leaves one dependent, his mother.

August 24, Mike Banjura, laborer, age 64 years, married, was killed by a fall of slate in Mt. Olive and Staunton Coal Company's No. 2 mine. He leaves a widow and one child.

September 6, Earl Treed, loading machine operator, age 40 years, married, died from injuries sustained two days earlier in Marion County Coal Company's mine by a fall of slate. He leaves a widow and seven children.

December 29, Thomas Price, miner, age 41 years, single, was killed in Pocohontas Mining Company's mine when he came in contact with an electric cable.

Respectfully submitted,

JOHN WHITE,
Inspector.

FATAL CASUALTIES, SEVENTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number of letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Jan. 17	Sylvester Shiple.....	47	Machine man.....	Pocahontas.....	Pocahontas Mining Co.....	.....	1	.....	.....	.....	.....	Mining machine
Aug. 6	August Turner.....	36	Motorman.....	Collinsville.....	Linaght Coal Co.....	2	1	.....	.....	.....	1	Struck by jack handle
Aug. 24	Miss Benjura.....	64	.....	Williamson.....	Mt. Olive & Staunton C. Co.....	2	1	.....	1	1	2	Falling slate
Sept. 6	Earl Freed.....	40	Machine operator.....	Glen Ridge.....	Marion County Coal Co.....	.....	1	.....	1	7	8	Falling slate
Dec. 29	Thomas Price.....	41	Miner.....	Pocahontas.....	Pocahontas Mining Co.....	.....	.....	1	.....	.....	.....	Electrocuted

NON-FATAL ACCIDENTS, SEVENTH DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned				
	Number		Days lost by men returned		Number injured	Days lost		Average		Injured	Not returned					
	Injured	Not returned	Total	Average		Total	Average				Total	Average				
Bullock Mining Co.....	1	1	28	28					Fall of person.....	4		151	38			
Carlin Coal Co.....	1		53	13					Fall of roof and sides..	45	3	1,530	36			
Collinsville Coal Corp.....	5	1							Haulage.....	16	1	592	40			
Henrietta Coal Co., Hen.....	1	1							Lifting.....	10		346	35			
Henrietta Coal Co., H. T.....	1		36	36					Machinery.....	5		169	34			
Lumaghi Coal Co.....	56		1,701	30	26	1,337	51		Struck by objects.....	64	2	1,676	27			
Madison Coal Corp., No. 2.....	8		184	23	2	94			Miscellaneous.....	6		182	30			
Marion County Coal Co.....	20		682	34	5	538	108									
Mt. Olive & Staunton Coal Co.....	29	3	835	32												
Odin Coal Co.....	4		183	46	2	138	69									
Pocahontas Mining Co.....	14		558	40	6	417	70									
Troy Mining Co.....	4		185	46	4	185	46									
Shipping mines.....	144	6	4,445	32	45	2,709	60		Included in above							
Local mines.....	6		201	33	3	146	49									
All mines.....	150	6	4,646	32	48	2,855	59			150	6	4,646	32			

BOND COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	Pocahontas Mining Co.....	Pocahontas....	52,018	30,593	7,560	.....	8,272	3,575	2,018

CRAWFORD COUNTY

LOCAL MINES									
1	Babe Coal Co.....	Vincennes, Ind.	3,500	.....	.....	.....	3,000	500	.....

MADISON COUNTY

SHIPPING MINES									
1	Mt. Olive & Staunton Coal Co., No. 2.....	Staunton.....	446,779	421,994	.....	.....	5,262	13,720	5,803
2	Lumaghi Coal Co., No. 2..	Collinsville.....	310,026	219,070	87,753	.....	.....	3,203	.....
3	Madison Coal Corp., No. 2..	Glen Carbon.....	145,616	.....	140,431	.....	1,201	3,932	52
4	Collinsville Coal Corp.....	Collinsville.....	67,123	6,700	.....	.....	59,073	950	400
5	Troy Mining Co.....	Troy.....	56,785	40,118	.....	.....	13,078	3,514	75
6	Bullock Mining Co.....	Collinsville.....	36,600	19,000	.....	.....	17,100	500	.....
7	Henrietta Coal Co., "Hen."	Edwardsville.....	11,006	1,595	.....	.....	8,751	660	.....
8	Henrietta Coal Co., "Home Trade"	Edwardsville.....	10,965	2,624	.....	.....	7,967	374	.....
9	Carlin Coal Co.....	Bethalto.....	8,412	2,475	.....	.....	5,602	335	.....
Total.....			1,093,312	713,576	228,184	.....	118,034	27,188	6,330
LOCAL MINES									
1	Bunker Hill Coal Co.....	Collinsville.....	37,540	.....	.....	.....	35,505	565	1,470
2	Valley Coal Co.....	Bethalto.....	10,333	.....	.....	.....	10,333	.....	.....
3	East Side Coal Co.....	Edwardsville.....	3,285	.....	.....	.....	2,800	485	.....
4	Wm. H. Wilkening.....	Maro.....	2,985	.....	.....	.....	2,985	.....	.....
5	Howard Franklin.....	Bethalto.....	2,800	.....	.....	.....	2,800	.....	.....
6	Culp Grove Coal Co.....	Alton.....	2,535	.....	.....	.....	2,410	125	.....
7	Klondike Coal Co.....	Worden.....	1,834	.....	.....	.....	1,387	447	.....
8	Woods Bros.....	Bethalto.....	1,500	.....	.....	.....	1,500	.....	.....
9	Black Diamond Coal Co.....	Edwardsville.....	1,000	.....	.....	.....	900	100	.....
Total 9 mines.....			63,812	.....	.....	.....	60,620	1,722	1,470
Total 18 mines.....			1,157,124	713,576	228,184	.....	178,654	28,910	7,800

MARION COUNTY

SHIPPING MINES									
1	Marion County Coal Co....	Centralia.....	302,507	216,453	39,751	.....	16,250	21,900	8,153
2	Odin Coal Co.....	Odin.....	58,069	25,440	10,502	.....	1,357	20,491	279
Total 2 mines.....			360,576	241,893	50,253	.....	17,607	42,391	8,432

SEVENTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kgs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
192	129			100	38,000	4		52,018				1

SEVENTH DISTRICT

13	180	100				1		3,500				1
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SEVENTH DISTRICT

329	194		87,307		750	11		446,779			32	1
246	146	444	71,750			10	13	310,026			5	2
591	44	1,366				24	6	145,616			37	3
55	240	3	33,275						67,123		4	4
136	98		5,975			4	2	56,785			12	5
86	100	1,403							36,600		8	6
45	64	68				5		11,006			6	7
37	59	66				2		10,965			2	8
15	168		800		150	1		8,412			2	9
1,540	124	3,350	199,107		900	57	21	989,589	103,723		108	
51	180	355							37,540		1	
11	151	4							10,333		2	
14	77	166							3,285		3	
7	150	40							2,985		4	
7	80	12							2,800		5	
7	270	53				1		2,535			6	
8	107	96							1,834		7	
10	125	55							1,500		8	
9	85	20							1,000		9	
124	136	801				1		2,535	61,277			
1,664	130	4,151	199,107		900	58	21	992,124	165,000			

SEVENTH DISTRICT

221	162			45,250	10	5	302,507			18	1
188	93	525			10	2	58,069			15	2
409	128	525		45,250	20	7	360,576			33	

SEVENTH DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employees
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Bond.....	1	52,018	30,593	7,560	.....	8,272	3,575	2,018	192
Madison.....	9	1,093,312	713,576	228,184	.....	118,034	27,188	6,330	1,540
Marion.....	2	360,576	241,893	50,253	.....	17,607	42,391	8,432	409
Total.....	12	1,505,906	986,062	285,997	.....	143,913	73,154	16,780	2,141

LOCAL MINES,

Crawford.....	1	3,500	.....	.....	.....	3,000	500	.....	13
Madison.....	9	63,812	.....	.....	.....	60,620	1,722	1,470	124
Total.....	10	67,312	.....	.....	.....	63,620	2,222	1,470	137

ALL MINES,

Bond.....	1	52,018	30,593	7,560	.....	8,272	3,575	2,018	192
Crawford.....	1	3,500	.....	.....	.....	3,000	500	.....	13
Madison.....	18	1,157,124	713,576	228,184	.....	178,654	28,910	7,800	1,664
Marion.....	2	360,576	241,893	50,253	.....	17,607	42,391	8,432	409
Total.....	22	1,573,218	986,062	285,997	.....	207,533	75,376	18,250	2,278

BY COUNTIES, SHIPPING MINES

Days operated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of animals underground
	Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds			Machine	Hand	Stripping	
129	.....	.....	100	38,000	4	.....	52,018	.....	.....	.....
124	3,350	199,107	.....	900	57	21	989,589	103,723	.....	108
128	525	.....	.....	45,250	20	7	360,576	.....	.....	33
125	3,875	199,107	100	84,150	81	28	1,402,183	103,723	.....	141

SEVENTH DISTRICT

180	100	.....	.....	.....	1	.....	3,500	.....	.....	.....
136	801	.....	.....	.....	1	.....	2,535	61,277	.....	.....
140	901	.....	.....	.....	2	.....	6,035	61,277	.....	.....

SEVENTH DISTRICT

129	.....	.....	100	38,000	4	.....	52,018	.....	.....	.....
180	100	.....	.....	.....	1	.....	3,500	.....	.....	.....
130	4,151	199,107	.....	900	58	.....	992,124	165,000	.....	.....
128	525	.....	.....	45,250	20	.....	360,576	.....	.....	.....
132	4,776	199,107	100	84,150	83	28	1,408,218	165,000	.....	.....

EIGHTH DISTRICT

*Hon. John G. Millhouse,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Eighth Inspection District, comprising the coal producing counties of Clinton and St. Clair, for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal.....	2
Number of shipping mines.....	28
Number of local mines.....	25
Number of employees underground.....	2,882
Number of employees on surface.....	547
Total number employed.....	3,429
Tons of coal produced in shipping mines.....	2,613,653
Tons of coal produced in local mines.....	348,497
Tons of coal produced, total.....	2,962,150
Days operated, shipping mines, average.....	130
Days operated, local mines, average.....	171
Number of undercutting machines.....	58
Tons undercut.....	1,507,848
Tons mined by hand.....	1,084,318
Tons mined in strip mines.....	369,984
Number of loading machines used.....	131
Tons loaded mechanically.....	1,458,202
Number of fatal accidents.....	8
Number of non-fatal accidents.....	194
Number of employees to each fatality.....	429
Number employed to each non-fatal accident.....	17.7
Tons of coal mined to each fatality.....	370,269
Tons mined to each non-fatal accident.....	15,269
Number of fatalities per 1000 employed.....	2.3
Number injured per 1000 employed.....	56.6

REOPENED MINES

Okay Coal Co.

IDLE MINES

Breese-Trenton Mining Co., East and Beckemeyer.
Kolb Coal Co., No. 1.
Caseyville Coal Co.
Egyptian Coal Co., Meek and O. K.
St. Louis & O'Fallon Coal Co., No. 1.
B. B. Coal Co.
Southern Coal, Coke & Mining Co., No. 8.
Lou-Nash Coal Co., No. 2.
Lyle Coal Co.

Perry Coal Co., Superior.
 Fullerton Coal Co.
 Hippard Coal Co.
 Consolidated Coal Co., No. 17.
 H. E. Miller Coal Co.

Southern Coal, Coke & Mining Co., Nos. 1 and 6, operated as local mines.

CHANGE OF NAME

Ell-Rich Coal Co to White Coal Co.
 Piazza & Marfia Coal Co. to Enterprise Coal Co.

FATAL ACCIDENTS

January 3, Roscoe Collins, miner, age 38 years, married, was killed by a fall of coal in Alcoa Coal Company's mine. He leaves a widow and one child.

January 21, Leopold Krepcik, miner, age 66 years, married, was killed by a fall of slate in St. Louis and O'Fallon Coal Company's No. 2 mine. He leaves a widow.

May 16, Herman Von Gerichten, miner, age 55 years, married, was killed by a fall of rock in Breese-Trenton Coal Company's North mine. He leaves a widow and one child.

July 13, Theo. Legendere, mine manager, age 61 years, married, was run over and killed by a trip of cars in Vinegar Hill Coal Company's mine. He leaves a widow.

July 30, Walter Koesterer, miner, age 42 years, married, was killed in East Side Coal Company's mine by falling slate. He leaves a widow and four children.

August 28, Jos. W. Thew, miner, age 67 years, single, employed in Jones Brothers' No. 1 mine was caught between cage and casing and instantly killed. He leaves one dependent child.

October 1, Bernard Demestri, miner, age 20 years, single, was killed by falling rock in Southern Coal, Coke and Mining Co. No. 6 Mine.

December 24, John McMullen, miner, age 48 years, married, was killed by a fall of coal in Perry Coal Company's St. Ellen mine. He leaves a widow and three children.

Respectfully submitted,
 JAMES R. RICHARDS,
Inspector.

FATAL CASUALTIES, EIGHTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Jan. 3	Roscoe Collins	38	Miner	Belleville	Alcoa Ore Co.	.....	1	1	1	1	2	Falling slate
Jan. 21	Leopold Krepck	66	Miner	East St. Louis	St. Louis & O'Fallon Coal Co.	.....	1	1	1	1	1	Falling slate
May 16	Herman Von Gerichten	55	Miner	Breese	Breese-Trenton Coal Co.	N	2	1	1	1	1	Falling coal
July 13	Theo. Legendere	61	Mine manager	New Athens	Vinegar Hill Coal Co.	.....	1	1	1	1	1	Py-cars
July 30	Walter Koesterer	42	Miner	Freeburg	East Side Coal Co.	.....	1	1	1	4	1	Falling slate
Aug. 28	Jos. M. Thew	67	Miner	Marissa	Jones Bros. Coal Co.	.....	1	1	1	1	1	Caught by cage
Oct. 1	Bernard Demestri	20	Miner	Belleville	Southern Coal Co.	.....	6	1	1	1	1	Falling rock
Dec. 24	John McMullen	48	Miner	East St. Louis	Perry Coal Co.	St. E.	1	1	1	3	4	Falling coal

NON-FATAL ACCIDENTS, EIGHTH DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned	
	Number		Days lost by men returned		Number injured	Days lost		Injured		Not returned			
	Injured	Not returned	Total	Average		Total	Average						
Alcoa Ore Co.	21	.....	814	39	12	703	59	59	Fall of person.....	17	1	406	25
Breese-Trenton Mining Co., N.	6	.....	230	38	3	175	57	57	Fall of roof and sides.....	47	7	1,388	35
Enterprise Coal Co.	1	.....	49	49	1	49	49	49	Haulage.....	30	4	923	31
Golden Rule Coal Co.	4	.....	92	23	.....	.....	.....	.....	Lifting.....	27	.....	847	31
Groom Coal Co.	5	.....	140	28	3	114	38	38	Machinery.....	3	.....	164	55
Gundlach Coal Co.	8	.....	253	32	3	150	50	50	Struck by objects.....	62	2	1,863	31
Guest Coal Co.	2	.....	34	17	.....	.....	.....	.....	Miscellaneous.....	8	1	489	70
Jones Bros Coal Co., No. 1.	4	.....	162	40	3	143	48	48	.....	.....	.....	.....	.....
Kolb Coal Co., No. 2.	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leuzburg Mining Co.	6	.....	188	31	2	114	57	57	.....	.....	.....	.....	.....
Mulberry Hill Coal Co.	2	.....	93	46	2	93	46	46	.....	.....	.....	.....	.....
New National Coal Co.	5	.....	101	20	1	30	30	30	.....	.....	.....	.....	.....
Perry Coal Co., Carbon.	3	.....	39	13	.....	.....	.....	.....	.....	.....	.....	.....	.....
Perry Coal Co., St. Ellen.	13	4	163	18	1	42	42	42	.....	.....	.....	.....	.....
Perry Coal Co., Taylor.	14	2	488	41	6	387	64	64	.....	.....	.....	.....	.....
Power Coal Co.	5	.....	82	16	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prairie Coal Co.	7	.....	136	19	2	68	34	34	.....	.....	.....	.....	.....
Quality Coal Co.	5	.....	300	60	4	276	69	69	.....	.....	.....	.....	.....
St. Louis & O'Fallon Coal Co.	21	5	779	49	9	654	73	73	.....	.....	.....	.....	.....
Service Coal Co.	8	.....	533	67	2	201	100	100	.....	.....	.....	.....	.....
Southern C. C. & Mining Co., No. 6.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Southern C. C. & Mining Co., No. 7.	6	.....	188	31	4	164	41	41	.....	.....	.....	.....	.....
Southern C. C. & Mining Co., No. 9.	8	.....	193	24	3	110	37	37	.....	.....	.....	.....	.....
United Electric Coal Co., No. 13.	2	.....	137	68	2	137	68	68	.....	.....	.....	.....	.....
Vinegar Hill Coal Co.	13	1	290	24	3	132	44	44	.....	.....	.....	.....	.....
White Coal Co.	1	.....	14	14	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shipping mines.	172	14	5,498	40	66	3,742	57	57	Included in above.	.....	.....	.....	.....
Local mines.	22	1	582	28	10	658	66	66	.....	.....	.....	.....	.....
All mines.	194	15	6,080	34	76	4,400	58	58	.....	194	15	6,080	34

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	SHIPPING MINES								
1	Breese Trenton Mining Co., "N. B."	Breese	150,864	102,413	9,927	6,741	17,923	10,920	2,940
2	Southern Coal, Coke & Mining Co., No. 9	New Baden	32,643	28,942	.....	.....	.....	3,701	.....
	Total 2 mines		183,507	131,355	9,927	6,741	17,923	14,621	2,940

ST. CLAIR COUNTY

SHIPPING MINES									
1	United Elec. Coal Cos., No. 13	Freeburg	368,904	188,079	168,995	.....	.....	1,230	10,600
2	St. Louis & O'Fallon Coal Co., No. 2	E. St. Louis	301,319	209,151	8,599	1,306	53,732	16,941	11,590
3	Alcoa Ore Co.	Belleville	270,808	253,037	17,771	.....	.....	.....	.....
4	Perry Coal Co., "St. Ellen"	O'Fallon	247,217	118,012	32,640	.....	90,800	4,460	1,305
5	Southern Coal, Coke & Mining Co.	Belleville	148,891	80,250	60,722	.....	.....	7,919	.....
6	Perry Coal Co., "Taylor"	O'Fallon	148,770	39,204	98,760	.....	6,240	4,210	356
7	Gundlach Coal Co.	E. St. Louis	127,245	37,487	64,832	1,588	22,123	215	1,000
8	Perry Coal Co., "Carbon"	O'Fallon	103,386	66,742	16,858	.....	15,868	3,646	272
9	Mulberry Hill Coal Co.	Freeburg	103,322	73,247	22,436	.....	4,806	2,770	63
10	Vinegar Hill Coal Co.	Lenzburg	84,062	78,557	.....	.....	3,190	2,315	.....
11	Service Coal Co.	Belleville	73,652	4,618	.....	.....	67,834	1,000	200
12	Golden Rule Coal Co.	Lenzburg	70,148	62,996	5,351	.....	950	800	51
13	Groom Coal Co.	Belleville	55,670	14,566	8,797	31,037	.....	1,000	270
14	Prairie Coal Co., No. 1	Belleville	51,597	11,258	.....	.....	36,339	4,000	.....
15	Power Coal Co., "Randle"	Freeburg	38,482	34,370	.....	.....	3,656	456	.....
16	Lenzburg Coal Co.	Lenzburg	34,196	34,000	.....	.....	196	.....	.....
17	White Coal Co.	Belleville	31,603	8,664	.....	.....	22,675	264	.....
18	Guest Coal Co.	Belleville	31,532	8,352	.....	.....	21,758	1,422	.....
19	New Nat'l Coal Mining Co.	Belleville	31,283	938	.....	.....	30,345	.....	.....
20	Quality Coal & Mining Co.	Belleville	26,261	3,426	.....	.....	22,393	442	.....
21	Jones Bros. C. M. Co., No. 1	Marissa	22,440	17,481	.....	.....	4,223	736	.....
22	Kolb Coal Co., No. 2	Mascoutah	21,633	3,403	.....	.....	17,082	1,148	.....
23	Eldnar Coal Co.	Belleville	16,300	15,100	.....	.....	.....	1,200	.....
24	Enterprise C. & M. Co., "Ent."	Belleville	8,959	7,523	.....	.....	1,436	.....	.....
25	Summit Coal Co.	Belleville	7,544	6,876	.....	.....	391	277	.....
26	OKay Coal Mining Co.	Marissa	4,922	4,293	.....	.....	125	.....	504
	Total 26 mines .....	.....	2,430,146	1,381,630	505,761	33,931	426,162	56,451	26,211
LOCAL MINES									
1	East Bell Coal Co.	Belleville	38,284	.....	.....	.....	36,300	1,984	.....
2	Bell Heat Coal Mining Co.	Belleville	36,349	.....	.....	.....	36,274	75	.....
3	Edgemont Coal Co.	Edgemont	34,096	.....	.....	.....	34,060	36	.....
4	Southern Coal, Coke & Mining Co.	Belleville	29,747	.....	.....	.....	29,747	.....	.....
5	Crown Coal Co., Inc.	Freeburg	29,989	.....	.....	.....	29,000	989	.....
6	Southern Coal, Coke & Mining Co.	Belleville	28,664	.....	.....	.....	28,664	.....	.....
7	Pioneer Coal Co.	Belleville	19,939	.....	.....	.....	19,939	.....	.....
8	Bluff View Mining Co.	E. St. Louis	19,404	.....	.....	.....	19,154	250	.....
9	Hippard Coal Co.	Belleville	17,925	.....	.....	.....	17,275	650	.....
10	Patterson Harding Coal Co.	Belleville	13,400	.....	.....	.....	13,300	100	.....

EIGHTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
154	131	.....	41,500	.....	5,250	6	3	150,864	.....	.....	15	1
308	45	700	.....	.....	.....	.....	10	.....	32,643	.....	.....	2
462	88	700	41,500	.....	5,250	6	13	150,864	32,643	.....	15	.....

EIGHTH DISTRICT

56	205	.....	.....	.....	.....	.....	.....	.....	.....	368,904	.....	1
400	119	4,799	.....	595	.....	18	10	301,319	.....	.....	15	2
176	242	.....	400	.....	68,000	5	5	270,808	.....	.....	12	3
147	243	.....	97,800	.....	.....	5	4	247,217	.....	.....	17	4
129	139	6,689	3,800	.....	.....	.....	2	.....	148,891	.....	22	5
124	242	.....	51,100	.....	.....	3	1	148,770	.....	.....	6	6
105	142	.....	43,500	.....	.....	5	4	127,245	.....	.....	9	7
62	218	2,184	56,000	.....	.....	2	1	103,386	.....	.....	4	8
79	152	9	92,450	.....	.....	.....	1	.....	103,322	.....	8	9
59	165	1,023	55,800	.....	.....	.....	1	.....	84,062	.....	4	10
97	191	2,771	100	.....	.....	.....	1	.....	73,652	.....	5	11
63	126	.....	57,800	.....	.....	.....	2	.....	70,148	.....	4	12
92	75	.....	36,625	.....	.....	1	1	10,000	45,670	.....	7	13
122	85	2,064	.....	.....	.....	.....	3	.....	51,597	.....	6	14
65	114	1,925	.....	.....	.....	.....	1	.....	38,482	.....	6	15
54	109	478	17,925	.....	.....	.....	1	.....	34,196	.....	2	16
68	63	1,264	.....	.....	.....	.....	.....	.....	31,603	.....	3	17
84	135	248	.....	.....	.....	4	2	31,532	.....	.....	4	18
35	173	.....	7,825	.....	.....	1	1	31,283	.....	.....	4	19
70	68	799	.....	.....	.....	1	1	.....	26,261	.....	6	20
74	85	779	.....	.....	.....	.....	.....	.....	22,440	.....	5	21
113	44	.....	18,150	.....	.....	.....	1	.....	21,633	.....	7	22
21	191	.....	16,000	.....	.....	.....	.....	.....	16,300	.....	5	23
42	52	.....	.....	.....	4,440	2	1	8,959	.....	.....	3	24
26	78	300	.....	.....	.....	.....	.....	.....	7,544	.....	3	25
99	17	195	.....	.....	.....	.....	1	.....	4,922	.....	4	26
2,462	134	25,527	555,275	595	72,440	46	46	1,280,519	780,723	368,904	171	.....
51	200	1,325	.....	.....	.....	.....	.....	.....	38,284	.....	1	.....
56	160	436	.....	.....	.....	3	.....	35,151	1,198	.....	2	.....
52	165	2,030	.....	.....	.....	.....	.....	.....	34,096	.....	3	.....
53	173	1,265	.....	.....	.....	.....	.....	.....	29,747	.....	4	.....
12	200	1,500	.....	.....	.....	.....	.....	.....	29,989	.....	5	.....
42	220	840	.....	.....	.....	.....	.....	.....	28,664	.....	6	.....
24	190	53	.....	.....	.....	1	.....	19,939	.....	.....	7	.....
26	191	158	.....	.....	.....	.....	.....	.....	19,404	.....	8	.....
22	120	.....	8,400	.....	.....	1	.....	17,925	.....	.....	9	.....
24	160	650	.....	.....	.....	.....	.....	.....	13,400	.....	10	.....

ST. CLAIR COUNTY

EIGHTH DISTRICT—Concluded

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
17	121	416	.....	.....	.....	.....	.....	.....	12,204	.....	.....	11
10	275	600	.....	.....	.....	.....	.....	.....	9,595	.....	.....	12
9	192	433	.....	.....	.....	.....	.....	.....	9,159	.....	.....	13
12	186	326	.....	.....	.....	.....	.....	.....	8,888	.....	.....	14
11	202	556	.....	.....	.....	.....	.....	.....	8,320	.....	.....	15
29	80	414	.....	.....	.....	.....	.....	.....	7,880	.....	.....	16
12	161	227	.....	.....	.....	.....	.....	.....	6,587	.....	.....	17
9	254	273	.....	.....	.....	.....	.....	.....	6,365	.....	.....	18
10	160	40	.....	.....	.....	1	.....	3,450	100	.....	.....	19
6	106	135	.....	.....	.....	.....	.....	.....	3,125	.....	.....	20
2	300	72	.....	.....	.....	.....	.....	.....	1,140	.....	.....	21
2	150	.....	.....	.....	.....	.....	.....	.....	.....	1,080	.....	22
3	125	100	.....	.....	.....	.....	.....	.....	1,000	.....	.....	23
11	191	39	.....	.....	.....	.....	.....	.....	1,807	.....	.....	24
505	171	11,888	8,400	.....	.....	6	.....	76,465	270,952	1,080	.....	.....
2,967	153	37,415	563,675	595	68,000	52	46	1,356,984	1,051,675	369,984	.....	.....

EIGHTH DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employes
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Clinton.....	2	183,507	131,355	9,927	6,741	17,923	14,621	2,940	462
St. Clair.....	26	2,430,146	1,381,630	505,761	33,931	426,162	56,451	26,211	2,462
Total.....	28	2,613,653	1,512,985	515,688	40,672	444,085	71,072	29,151	2,924

LOCAL MINES,

St. Clair.....	25	348,497	.....	.....	.....	339,647	8,850	.....	505
Total.....	25	348,497	.....	.....	.....	339,647	8,850	.....	505

ALL MINES,

Clinton.....	2	183,507	131,355	9,927	6,741	17,923	14,621	2,940	462
St. Clair.....	51	2,778,643	1,381,630	505,761	33,931	765,809	65,301	26,211	2,967
Total.....	53	2,962,150	1,512,985	515,688	40,672	783,732	79,922	29,151	3,429

BY COUNTIES, SHIPPING MINES

Days oper- ated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of ani- mals under ground
	Pow- der— kegs	Pellet pow- der— pounds	Dyna- mite— pounds	Permis- sibles— pounds			Machine	Hand	Stripping	
88	700	41,500	.....	5,250	6	13	150,864	32,643	.....	15
134	25,527	555,275	595	72,440	46	46	1,280,519	780,723	368,904	171
130	26,227	596,775	595	77,690	52	59	1,431,383	813,366	368,904	186

EIGHTH DISTRICT

171	11,888	8,400	.....	.....	6	.....	76,465	270,952	1,080	.....
171	11,888	8,400	.....	.....	6	.....	76,465	270,952	1,080	.....

EIGHTH DISTRICT

88	700	41,500	.....	5,250	6	.....	150,864	32,643	.....	.....
152	37,415	563,675	595	72,440	52	.....	1,356,984	1,051,675	369,984	.....
150	38,115	605,175	595	77,690	58	.....	1,507,848	1,084,318	369,984	.....

NINTH DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Ninth Inspection District, comprising the coal producing Counties of Jackson, Perry, Randolph and Washington for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal.....	4
Number of shipping mines.....	20
Number of local mines.....	50
Number of employees underground.....	2,687
Number of employees on surface.....	1,266
Total number employed.....	3,953
Tons of coal produced in shipping mines.....	5,670,295
Tons of coal produced in local mines.....	111,824
Tons of coal produced, total.....	5,782,119
Days operated, shipping mines, average.....	128
Days operated, local mines, average.....	133
Number of undercutting machines.....	112
Tons undercut.....	2,297,682
Tons mined by hand.....	233,301
Tons mined in strip mines.....	3,251,136
Number of loading machines used.....	66
Tons loaded mechanically.....	1,598,622
Number of fatal accidents.....	9
Number of non-fatal accidents.....	172
Number of employees to each fatality.....	439
Number employed to each non-fatal accident.....	23
Tons of coal mined to each fatality.....	642,458
Tons mined to each non-fatal accident.....	33,617
Number of fatalities per 1000 employed.....	2.3
Number injured per 1000 employed.....	43.5

NEW MINE

Coal Stripping Co.

CHANGE OF NAME

Gayle Coal Co. to Crerar-Clinch Coal Co., No. 15.

ABANDONED MINE

Security Coal Co.

IDLE MINES

Chicago Coal Co., Ward.
De Soto-Peacock Coal Co.
Jackson Coal Co.

Spirit of Egypt Coal Co.
 Willis Coal and Mining Co., Nos. 6, 8 and 9.
 Chicago Fuel Co., No. 2.
 Southern Gem Coal Co., Nos. 6 and 7
 Madison Coal Corporation, Crystal
 Sparta Coal Co.
 George Wilson Coal Co.

FATAL ACCIDENTS

February 2, Earl Hankins, loader operator, age 34 years, married, was killed by a fall of rock in Centralia Coal Company's mine. He leaves a widow and three children.

March 6, Irvin Ross, laborer, age 46 years, married, was killed by railway cars at the mine of the St. Louis Coal Company. He leaves a widow and three children.

April 11, E. G. Brown, assistant manager, age 45 years, married, was killed in Moffat Coal Company's mine by falling rock. He leaves a widow and two children.

April 24, James Dilberto, laborer, age 30 years, married, was killed in Union Colliery Company's mine by electrocution. He leaves a widow and one child.

May 28, Edward Eaton, motorman, age 38 years, married, was killed by a fall of rock in Union Colliery Company's mine. He leaves a widow.

May 28, Dorsey Mathis, motorman, age 38 years, married, was killed in Union Colliery Company's mine by a gas explosion. He leaves a widow and five children.

September 19, Antwine Brown, miner, age 67 years, married, was killed in St. Louis Coal Company's mine by falling on a rail, breaking his neck. He leaves a widow.

September 29, Steve Getzie, loading machine helper, age 42 years, married, was killed by a fall of face coal. He leaves a widow and two children.

December 24, William Bone, driller, age 50 years, married, was killed by a fall of coal in Union Colliery Company's mine. He leaves a widow and four children.

Respectfully submitted,
 EDWARD S. FLYNN,
Inspector.

FATAL CASUALTIES, NINTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Feb. 2	Earl Hankins	32	Joy operator	Centralia	Centralia Coal Co.	5	1	1	1	3	4	Falling rock
Mar. 6	Irvin Ross	46	Laborer	Coulterville	St. Louis Coal Co.	.....	1	1	1	3	4	Railway cars
Mar. 11	E. G. Brown	45	Assistant manager	Sparta	Moniac Coal Co.	.....	1	1	1	2	3	Falling rock
Apr. 24	James Dilberto	30	Laborer	Dowell	Union Col. Co.	.....	1	1	1	1	2	Electrocuted
May 28	Edward Eaton	38	Motorman	Duquoin	Union Col. Co.	.....	1	1	1	1	1	Falling rock
May 28	Dorsey Mathis	38	Motorman	Duquoin	Union Col. Co.	.....	1	1	1	5	6	Gas explosion
Sept. 19	Antwine Brown	67	Miner	Coulterville	St. Louis Coal Co.	.....	1	1	1	2	3	Fell on rail
Sept. 29	Steve Getzie	42	Loading machine operator	Dowell	Union Col. Co.	.....	1	1	1	1	3	Falling coal
Dec. 24	William Bone	50	Driller	De Soto	Union Col. Co.	.....	1	1	1	4	5	Falling coal

NON-FATAL ACCIDENTS, NINTH DISTRICT, 1931

Name of operator	Loss of 7 or more days			Loss of 30 or more days			Cause of injury	Number		Days lost by men returned	
	Number		Days lost by men returned	Number injured	Days lost			Injured	Not returned	Total	Average
	Injured	Not returned			Total	Average					
Brewerton Coal Co., No. 45.....	3	.....	211	70	1	172	172	9	.....	195	22
Centrahia Coal Co., No. 1.....	17	1	670	42	8	560	70	37	3	1,109	33
Clarkson Coal Co., No. 1.....	3	.....	70	23	1	31	31	23	2	587	28
Coal Stripping Co., No. 1.....	3	.....	93	31	2	83	41	17	.....	441	26
Crescent-Cinch Coal Co., No. 14.....	23	1	639	29	10	479	48	8	1	675	96
Egyptian Coal Co., No. 1.....	23	.....	49	16	.....	.....	.....	66	3	1,833	29
Moffat Coal Co., No. 1.....	23	2	542	26	6	328	55	10	1	253	28
Perfection Coal Co., No. 1.....	1	.....	16	16	.....	.....	.....	2	.....	71	35
Perry Coal Co., Perco.....	5	.....	300	60	5	300	60	.....	.....	.....	.....
Pyramid Coal Corp., No. 1.....	11	1	173	17	2	76	38	.....	.....	.....	.....
St. Louis Coal Co., No. 1.....	20	1	857	45	8	641	80	.....	.....	.....	.....
Tamaroa Coal Co., No. 1.....	2	.....	24	12	.....	.....	.....	.....	.....	.....	.....
Truax-Trarer Coal Co., No. 1.....	6	.....	180	30	3	138	46	.....	.....	.....	.....
Truax-Trarer Coal Co., No. 2.....	9	.....	229	25	3	141	47	.....	.....	.....	.....
Union Col. Co., No. 2.....	24	4	510	26	7	311	44	.....	.....	.....	.....
United Electric Coal Co., No. 11.....	7	.....	236	32	3	184	61	.....	.....	.....	.....
Wilson Coal Co., No. 1.....	6	.....	140	23	2	71	35	.....	.....	.....	.....
Shipping mines.....	166	10	4,939	32	61	3,515	58	.....	.....	.....	.....
Local mines.....	6	.....	225	37	4	190	48	.....	.....	.....	.....
All mines.....	172	10	5,164	32	65	3,705	57	172	10	5,164	32

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	Union Colliery Co.	Dowell	1,051,566	836,127	174,337		1,992	2,825	36,285
2	Truax Traer Coal Co., No. 2	Elkville	484,467	360,996	123,471				
3	Truax Traer Coal Co., No. 1	Elkville	355,975	239,002	116,772		201		
Total 3 mines			1,892,008	1,436,125	414,580		2,193	2,825	36,285
LOCAL MINES									
1	Swofford Coal Co., "A"	Carbondale	6,363				4,800	1,563	
2	Gus Blair, Big Muddy C. Co.	Murphysboro	6,059				6,000	59	
3	Templeton Bros. Coal Co.	Murphysboro	5,840				5,840		
4	Herman Chamness	Carbondale	3,500				3,500		
5	Hugh Norris & Co.	De Soto	3,387				3,387		
6	Mawshadt & Henderson	Carbondale	3,160				3,160		
7	Swofford Coal Co., "B"	Carbondale	3,140				2,800	340	
8	H. S. Phillips	Carbondale	2,556				2,256	300	
9	Ed Higgleston	Campbell Hill	1,600				1,580	20	
10	Independent Coal Co.	Carbondale	1,540				1,068	472	
11	Poplar Ridge Coal Co.	Murphysboro	1,250				1,250		
12	G. A. Replogle & Son	Murphysboro	1,225				1,200	25	
13	E. H. Birkner	Oraville	1,182				1,182		
14	Smith & Finney	De Soto	1,000				800	200	
15	12 mines producing less than 1,000 tons each		4,331				4,276	55	
Total 26 mines			46,133				43,099	3,034	
Total 29 mines			1,938,141	1,436,125	414,580		45,292	5,859	36,285

PERRY COUNTY

SHIPPING MINES								
1	Pyramid Coal Co.	Pinckneyville	1,210,210	472,967	727,323		920	9,000
2	United Elec. Coal Co., No. 11	Duquoin	816,659	426,924	363,720			2,475
3	Crerar Clinch C. Co., No. 14	Duquoin	376,989	356,487	1,925		1,788	13,271
4	Crerar Clinch C. Co., No. 15	Duquoin	233,735	83,022	149,551		379	783
5	Perfection Coal Co.	Duquoin	93,730	49,755	13,382	21,752	8,841	
6	Brewerton Coal Co., No. 45	Pinckneyville	68,916	4,222	52,954	9,000	2,200	540
7	Coal Stripping Co.	Pinckneyville	55,372	4,681	49,891			800
8	Wilson Coal & Mining Co.	Cutler	47,684	45,823			552	924
9	Perry Coal Co., "Perco"	Coulterville	34,977	27,361	6,000		615	855
10	Egyptian Coal Co.	Swanwick	19,936	19,223			539	75
11	Bailey Bros.	Duquoin	8,850	5,750			3,000	100
12	Tamaroa Coal Co.	Tamaroa	6,090	1,470			3,980	640
	Total 12 mines		2,973,148	1,497,685	1,364,746	30,752	22,814	28,663
LOCAL MINES								
1	Lengwech Coal Co.	Pinckneyville	4,544				4,544	
2	Collier Coal Co.	Tamaroa	2,510				2,260	250
3	Patrick Coal Co.	Duquoin	2,150				1,900	250
4	Ray Campbell	Duquoin	2,000				2,000	
5	Henson & Davison Bros.	Pinckneyville	1,700				1,700	
6	West Park Coal Co.	Duquoin	1,253				1,100	153
7	F. J. Howell	Duquoin	1,055				955	100
8	5 mines producing less than 1,000 tons each		2,080				2,080	
	Total 12 mines		17,292				16,539	753
	Total 24 mines		2,990,440	1,497,685	1,364,746	30,752	39,353	29,416

NINTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
524	225				131,450	20	29	1,051,566			1	1
105	146		41,100							484,467		2
125	104		34,500	650						355,975		3
754	158		75,600	650	131,450	20	29	1,051,566		840,442	1	
8	200	450							6,363			1
28	57	80				1		6,059				2
12	143	122				1		5,840				3
15	75	260							3,500			4
6	215	97							3,387			5
4	158	190							3,160			6
6	150	250							3,140			7
4	234	145							2,556			8
5	150	140							1,600			9
7	291	40				1		1,540				10
4	200	150							1,250			11
8	230	95							1,225			12
4	120	65							1,182			13
9	90	150							1,000			14
31	1,431	279							3,718	613		15
151	144	2,513				3		13,439	32,081	613		
905	111	2,513	75,600	650	131,450	23	29	1,065,005	32,081	841,055		

NINTH DISTRICT

200	276		82,400							1,210,210		1
170	165									816,659		2
606	94			46,475	25	13	358,649	18,340			14	3
71	135			37,125						233,735		4
50	95			1,000						93,730		5
144	108	2,180							68,916			6
76	38		2,000	3,700						55,372		7
103	76	729	20,150		3	1	33,054	14,630				8
182	28	43	11,200		6	2	34,977					9
177	33	754			4		6,644	13,292				10
15	175	160			1		8,850					11
18	220	224						6,090				12
1,812	120	4,090	115,750	38,125	50,175	39	16	442,174	121,268	2,409,706	45	
9	175							4,544				1
11	85	125						2,510				2
5	200	90						2,150				3
4	100	100						2,000				4
10	88	85						1,700				5
7	93	38						1,253				6
3	150	41						1,055				7
14	334	95		50				1,705	375			8
63	102	574		50				16,917	375			
1,875	111	4,664	115,750	38,125	50,225	39	16	442,174	138,185	2,410,081		

RANDOLPH COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	Moffat Coal Co.....	Sparta.....	291,900	19,731	257,505	.....	984	7,784	5,896
2	St. Louis Coal Co.....	Coulterville....	96,342	73,929	18,500	.....	1,156	2,757	.....
3	Jones Bros. Coal Mining Co., Eureka, No. 2.....	Marissa.....	38,047	31,625	1,000	.....	3,276	2,146	.....
Total 3 mines.....			426,289	125,285	277,005	.....	5,416	12,687	5,896
LOCAL MINES									
1	Lemon & McKelvey.....	Sparta.....	9,432				8,382	1,050	.....
2	Syndicate Mining Co.....	Percy.....	9,185				8,584	601	.....
3	Crain Coal Co.....	Percy.....	5,484				5,084	400	.....
4	Albert Guebut.....	Sparta.....	5,308				4,818	490	.....
5	Blair Coal Co.....	Sparta.....	4,133				3,843	290	.....
6	Beveridge Coal Co.....	Sparta.....	3,893				3,382	511	.....
7	Harris & Robertson.....	Sparta.....	3,720				3,395	325	.....
8	Stevenson Coal Co.....	Sparta.....	1,037				937	100	.....
9	2 mines producing less than 1,000 tons each.....		707				639	68	.....
Total 10 mines.....			42,899				39,064	3,835	.....
Total 13 mines.....			469,188	125,285	277,005	.....	44,480	16,522	5,896

WASHINGTON COUNTY

SHIPPING MINES									
1	Centralia Coal Co., No. 5...	Centralia.....	292,628	106,987	163,648	.....	10,784	10,921	288
2	Clarkson Coal Co.....	Nashville.....	86,222	17,991	15,303	41,117	9,294	2,517	.....
Total 2 mines.....			378,850	124,978	178,951	41,117	20,078	13,438	288
LOCAL MINES									
1	August Jansen.....	Lenzburg.....	3,500	.....	.....	.....	3,000	500	.....
2	Adolph Brockschmidt.....	Venedy.....	2,000	.....	.....	.....	1,700	300	.....
Total 2 mines.....			5,500	.....	.....	.....	4,700	800	.....
Total 4 mines.....			384,350	124,978	178,951	41,117	24,778	14,238	288

NINTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
390	114	1,665	92,400			22	5	291,900			30	1
237	114	1,192				12	1	96,342			13	2
141	71	1,522					1		38,047		2	3
768	100	4,379	92,400			34	7	388,242	38,047		45	
15	106	75	1,320			1		5,983	3,449			1
6	209	100				1		9,185				2
5	200	55				1		5,484				3
11	190	252							5,308			4
6	170	114				1		2,759	1,374			5
11	100	270							3,893			6
11	93	186							3,720			7
4	108	65							1,037			8
8	105	53	75						707			9
77	128	1,170	1,395			4		23,411	19,488			
845	122	5,549	93,795			38	7	411,653	57,535			

NINTH DISTRICT

206	148				42,900	8	13	292,628			1	1
110	197	600	3,500			4	1	86,222			8	2
316	172	600	3,500		42,900	12	14	378,850			9	
4	200	140							3,500			1
8	200	150							2,000			2
12	200	290							5,500			
328	186	890	3,500		42,900	12	14	378,850	5,500			

NINTH DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employees
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Jackson	3	1,892,008	1,436,125	414,580	.....	2,193	2,825	36,285	754
Perry	12	2,973,148	1,497,685	1,364,746	30,752	22,814	28,663	28,488	1,812
Randolph	3	426,289	125,285	277,005	.....	5,416	12,687	5,896	768
Washington	2	378,850	124,978	178,951	41,117	20,078	13,438	288	316
Total	20	5,670,295	3,184,073	2,235,282	71,869	50,501	57,613	70,957	3,650

LOCAL MINES,

Jackson	26	46,133	.....	.....	.....	43,099	3,034	.....	151
Perry	12	17,292	.....	.....	.....	16,539	753	.....	63
Randolph	10	42,899	.....	.....	.....	39,064	3,835	.....	77
Washington	2	5,500	.....	.....	.....	4,700	800	.....	12
Total	50	111,824	.....	.....	.....	103,402	8,422	.....	303

ALL MINES,

Jackson	29	1,938,141	1,436,125	414,580	.....	45,292	5,859	36,285	905
Perry	24	2,990,440	1,497,685	1,364,746	30,752	39,353	29,416	28,488	1,875
Randolph	13	469,188	125,285	277,005	.....	44,480	16,522	5,896	845
Washington	4	384,350	124,978	178,951	41,117	24,778	14,238	288	328
Total	70	5,782,119	3,184,073	2,235,282	71,869	153,903	66,035	70,957	3,953

BY COUNTIES, SHIPPING MINES

Days oper- ated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of ani- mals under- ground
	Pow- der— kegs	Pellet pow- der— pounds	Dyna- mite— pounds	Permis- sibles— pounds			Machine	Hand	Stripping	
158	.....	75,600	650	131,450	20	29	1,051,566	.....	840,442	1
120	4,090	115,750	38,125	50,175	39	16	442,174	121,268	2,409,706	45
100	4,379	92,400	.....	.....	34	7	388,242	38,047	.....	45
172	600	3,500	.....	42,900	12	14	378,850	.....	.....	9
128	9,069	287,250	38,775	224,525	105	66	2,260,832	159,315	3,250,148	100

NINTH DISTRICT

144	2,513	.....	.....	.....	3	.....	13,439	32,081	613	.....
102	574	.....	.....	50	.....	.....	.....	16,917	375	.....
128	1,170	1,395	.....	.....	4	.....	23,411	19,488	.....	.....
200	290	.....	.....	.....	.....	.....	.....	5,500	.....	.....
133	4,547	1,395	.....	50	7	.....	36,850	73,986	988	.....

NINTH DISTRICT

111	2,513	75,600	650	131,450	23	.....	1,065,005	32,081	841,055	.....
111	4,664	115,750	38,125	50,225	39	.....	442,174	138,185	2,410,081	.....
122	5,549	93,795	.....	.....	38	.....	411,653	57,535	.....	.....
186	890	3,500	.....	42,900	12	.....	378,850	5,500	.....	.....
132	13,616	288,645	38,775	224,575	112	.....	2,297,682	233,301	3,251,136	.....

TENTH DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Tenth Inspection District, comprising the coal producing County of Franklin for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal	1
Number of shipping mines	15
Number of local mines	0
Number of employees underground	8,613
Number of employees on surface	1,451
Total number employed	10,064
Tons of coal produced in shipping mines	9,531,560
Tons of coal produced in local mines	0
Tons of coal produced, total	9,531,560
Days operated, shipping mines, average	139
Days operated, local mines, average	0
Number of undercutting machines	386
Tons undercut	9,492,423
Tons mined by hand	39,137
Number of loading machines used	734
Tons loaded mechanically	7,222,452
Number of fatal accidents	13
Number of non-fatal accidents	916
Number of employees to each fatality	774
Number employed to each non-fatal accident	11
Tons of coal mined to each fatality	733,200
Tons mined to each non-fatal accident	10,406
Number of fatalities per 1000 employed	1.3
Number injured per 1000 employed	91.0

IDLE MINES

Franklin County Mining Co.
C. W. & F. Coal Co., Benton No. 1 and 2.
Old Ben Coal Corporation, Nos. 9, 10, 12, 16 and 19.
Black Star Coal Co.
Illinois Coal Corporation, No. 10.
Western Coal & Mining Co.
U. S. Fuel Co.

FATAL ACCIDENTS

February 22, Charles Bestonis, conveyor loader, age 67 years, married, was killed by a fall of coal in Old Ben Coal Corporation's No. 8 mine. He leaves a widow.

March 11, Angelo Nina, conveyor loader, age 56 years, married,

was killed in Old Ben Coal Corporation's No. 8 mine by falling coal. He leaves a widow and two children.

May 13, Barney Blankenship, machine man, age 43 years, married, was killed by a fall of coal in Peabody Coal Company's No. 18 mine. He leaves a widow and one child.

August 12, Andy Skavion, laborer, age 50 years, single, was killed by a fall of coal in Franklin County Coal Company's No. 7 mine.

August 14, Noah Avery, triprider, age 22 years, married, died from injuries received four days earlier, in C. W. & F. Coal Company's No. 2 mine by a fall of coal. He leaves a widow and two children.

September 14, Lawrence Love, triprider, age 24 years, single, was caught between car and rib and instantly killed in Franklin County Coal Company's No. 7 mine. He leaves his father and mother dependent.

September 20, William Arms, driller, age 53 years, married, died from injuries received three days before in Peabody Coal Company's No. 18 mine by a piece of coal falling from the roof. He leaves a widow.

September 28, Harry Ledford, triprider, age 27 years, single, was caught between pit cars and killed in Bell and Zoller Mining Company's No. 2 mine.

October 19, Andrew J. Mathis loader, age 56 years, widower, was killed by a fall of coal in Old Ben Coal Corporation's No. 15 mine. He leaves one child.

November 10, Albert Teague, mine manager, age 56 years, married, was killed by a fall of rock in Old Ben Coal Corporation's No. 8 mine. He leaves a widow and one child.

November 13, William Uhls, driller, age 35 years, married, was killed by a gas explosion in Old Ben Coal Corporation's No. 14 mine. He leaves a widow and four children.

December 19, Otto Niniz, loader, age 57 years, married, was killed in Old Ben Coal Corporation's No. 8 mine by a fall of coal. He leaves a widow and three children.

December 23, Arthur Helfrich, motorman, age 30 years, married, was killed in No. 19 mine, Peabody Coal Company, by pit cars. He leaves a widow and one child.

Respectfully submitted,

JAMES WEIR,
Inspector.

FATAL CASUALTIES, TENTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Feb. 22	Charles Bestonis	67	Loader	West Frankfort	Old Ben Coal Corp.	8	1	1	1	1	1	Falling coal
Mar. 11	Angelo Nina	56	Loader	West Frankfort	Old Ben Coal Corp.	8	1	1	1	1	1	Falling coal
May 13	Barney Blankenship	43	Machine man	West Frankfort	Peabody Coal Co.	18	1	1	1	1	2	Falling coal
Aug. 12	Andy Skavion	50	Laborer	Royalton	Franklin County Coal Co.	7	1	1	1	1	2	Falling coal
Aug. 14	Noah Avery	22	Trip rider	West Frankfort	C. W. & F. Coal Co.	2	1	1	1	2	3	Falling coal
Sept. 14	Lawrence Love	24	Trip rider	Royalton	Franklin County Coal Co.	7	1	1	1	1	2	Caught between cars and rib
Sept. 20	Wm. Arnes	53	Laborer	Marion	Peabody Coal Co.	18	1	1	1	1	1	Falling coal
Sept. 28	Harry Ledford	27	Trip rider	Zeigler	Beil & Zeller Mining Co.	2	1	1	1	1	1	Pit-cars
Oct. 19	A. J. Mathis	56	Loader	West Frankfort	Old Ben Coal Corp.	15	1	1	1	1	1	Falling coal
Nov. 10	Albert Teague	56	Mine manager	West Frankfort	Old Ben Coal Corp.	8	1	1	1	1	2	Falling rock
Nov. 13	William Uble	35	Driller	Buckner	Old Ben Coal Corp.	14	1	1	1	1	5	Gas explosion
Dec. 19	Otto Nimiz	57	Loader	West Frankfort	Old Ben Coal Corp.	8	1	1	1	1	4	Falling coal
Dec. 23	Arthur Helfrich	30	Motorman	West Frankfort	Peabody Coal Co.	19	1	1	1	1	2	Pit-cars

NON-FATAL ACCIDENTS, TENTH DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned				
	Number		Days lost by men returned		Number injured	Days lost		Average		Injured	Not returned					
	Injured	Not returned	Total	Average		Total	Average				Total	Average				
Bell & Zollar Mining Co., No. 1.....	53	1	1,186	23	14	643	46		Fall of person.....	62	2	1,839	31			
Bell & Zollar Mining Co., No. 2.....	60		1,516	25	16	846	53		Fall of roof and sides.....	265	10	9,324	37			
Brewerton Coal Co., No. 21.....	3		106	35	2	91	45		Haulage.....	157	3	5,895	38			
Brewerton Coal Co., No. 22.....	10	4	78	13					Lifting.....	74	4	1,856	26			
C. W. & F. Coal Co., No. 1.....	80		2,227	28	29	1,408	49		Machinery.....	61	2	2,493	42			
C. W. & F. Coal Co., No. 2.....	120	3	4,350	37	57	3,391	59		Struck by objects.....	266	5	6,839	26			
Franklin County Coal Co., No. 5.....	33	3	907	30	13	679	52		Miscellaneous.....	31	2	534	18			
Franklin County Coal Co., No. 7.....	42	4	902	24	8	461	58									
Franklin County Coal Co., No. 8.....	113	1	3,510	31	45	2,463	55									
Old Ben Coal Corp., No. 8.....	3		128	43	2	111	55									
Old Ben Coal Corp., No. 11.....																
Old Ben Coal Corp., No. 14.....	90	1	3,184	35	46	2,771	60									
Old Ben Coal Corp., No. 15.....	113	1	3,527	31	38	2,504	66									
Peabody Coal Co., No. 18.....	94	4	3,187	35	49	2,501	51									
Peabody Coal Co., No. 19.....	68	1	2,393	36	33	1,840	56									
Valer Coal Co., No. 1.....	34	5	1,585	55	17	925	54									
Total.....	916	28	28,780	32	369	20,634	56			916	28	28,780	32			

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
SHIPPING MINES									
1	C. W. & F. Coal Co., "New Orient"	W. Frankfort..	1,566,660	1,179,317	297,813	.....	3,967	3,496	82,067
2	Bell & Zoller C. & M. Co., No. 1	Zeigler.....	936,785	749,039	117,603	.....	4,930	16,499	48,714
3	Old Ben Coal Corp., No. 8	W. Frankfort..	903,625	775,596	68,133	.....	4,509	392	54,995
4	Old Ben Coal Corp., No. 15	Ezra.....	886,789	709,570	139,578	.....	914	7,411	29,316
5	Bell & Zoller C. & M. Co., No. 2	Zeigler.....	859,849	676,838	107,902	.....	2,803	13,838	58,468
6	Old Ben Coal Corp., No. 14	Buckner.....	847,189	699,258	110,532	.....	6,708	1,808	28,883
7	Valier Coal Co., No. 19	Valier.....	699,662	.....	689,217	.....	2,264	892	7,289
8	Peabody Coal Co., No. 19	W. Frankfort..	648,988	638,419	.....	.....	2,546	8,023	.....
9	Franklin Co. Coal Co., No. 7	Royalton.....	588,362	401,717	143,746	.....	3,060	13,699	26,140
10	C. W. & F. Coal Co., Orient No. 1	Orient.....	516,956	417,886	64,204	.....	948	14,452	19,466
11	Franklin Co. Coal Co., No. 5	Herrin.....	498,747	461,975	20,433	.....	4,477	11,139	723
12	Peabody Coal Co., No. 18	W. Frankfort..	392,193	307,645	75,688	.....	239	3,460	5,161
13	Brewerton Coal Corp., No. 21	W. Frankfort..	81,758	70,387	5,503	.....	1,148	3,720	1,000
14	Brewerton Coal Co., No. 22	Sesser.....	62,445	53,675	7,983	.....	240	547	.....
15	Old Ben Coal Corp., No. 11	Christopher....	41,552	41,330	.....	.....	87	135	.....
Total 15 mines.....			9,531,560	7,182,652	1,848,335	.....	38,840	99,511	362,222

TENTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kgs	Pellet powder—pounds	Dynanite—pounds	Permissibles—pounds	Mining machines	Motors					
1,224	157	.....	.....	.....	168,125	42	63	1,566,660	.....	.....	.....	1
785	139	.....	.....	.....	48,100	30	54	936,785	.....	.....	.....	2
604	212	.....	.....	.....	10,825	14	34	903,625	.....	.....	.....	3
539	231	.....	.....	.....	72,175	14	27	886,789	.....	.....	.....	4
1,046	123	.....	.....	.....	100,900	36	27	859,849	.....	.....	.....	1 5
710	224	.....	.....	.....	72,494	20	32	847,189	.....	.....	.....	6
558	114	.....	.....	.....	120,050	26	38	699,662	.....	.....	.....	7
692	213	.....	.....	.....	76,665	22	3	648,988	.....	.....	.....	38 8
638	183	.....	.....	.....	90,037	12	18	588,362	.....	.....	.....	2 9
917	125	.....	.....	.....	63,975	66	25	516,956	.....	.....	.....	10
659	155	.....	.....	.....	80,275	23	6	472,369	.....	.....	.....	37 11
457	120	.....	.....	.....	56,675	19	23	392,193	26,378	.....	.....	1 12
284	45	.....	.....	.....	21,200	13	18	81,758	.....	.....	.....	2 13
268	46	.....	.....	.....	7,000	9	11	49,950	12,495	.....	.....	14
683	9	.....	.....	.....	2,975	40	23	41,288	264	.....	.....	15
10,064	139	.....	.....	.....	991,471	386	402	9,492,423	39,137	.....	.....	81

ELEVENTH DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Eleventh Inspection District, comprising the coal producing Counties of Gallatin, Pope, Saline, Wabash and White, for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal.....	5
Number of shipping mines.....	12
Number of local mines.....	48
Number of employees underground.....	4,079
Number of employees on surface.....	597
Total number employed.....	4,676
Tons of coal produced in shipping mines.....	2,965,627
Tons of coal produced in local mines.....	52,456
Tons of coal produced, total.....	3,018,083
Days operated, shipping mines, average.....	106
Days operated, local mines, average.....	83
Number of undercutting machines.....	208
Tons undercut.....	2,791,433
Tons mined by hand.....	61,211
Tons mined in strip mines.....	165,439
Number of loading machines used.....	142
Tons loaded mechanically.....	1,035,380
Number of fatal accidents.....	16
Number of non-fatal accidents.....	444
Number of employees to each fatality.....	292
Number employed to each non-fatal accident.....	10.5
Tons of coal mined to each fatality.....	188,630
Tons mined to each non-fatal accident.....	6,798
Number of fatalities per 1000 employed.....	3.4
Number injured per 1000 employed.....	95.0

CHANGE OF NAME

Franklin County Coal Co., No. 10 to Rex Coal Co.

ABANDONED MINES

Harrisburg Coal Co., No. 8.

IDLE MINES

Illinois Saline Coal Co.

Dodds Coal Co.

O'Gara Coal Co., Nos. 8 and 15.

Peabody Coal Co., Nos. 42, 44 and 46.

Saline Valley Coal Co.

Rhonda Coal Co.

FATAL ACCIDENTS

January 9, Bert Jones, triprider, age 38 years, married, died from injuries received December 16, by pit cars, in Peabody Coal Company's No. 47 mine. He leaves a widow and four children.

January 27, Ezra Healy, miner, age 60 years, married, died from injuries received one week earlier, by a fall of coal in Harrisburg Coal Company's No. 9 mine. He leaves a widow and one child.

January 27, George Pankey, miner, age 60 years, single, was electrocuted in O'Gara Coal Company's No. 12 mine.

February 5, Euel Cook, miner, age 24 years, married, was killed in Wasson Coal Company's No. 1 mine by a fall of coal. He leaves a widow.

February 17, John R. Tucker, age 37 years, married, was killed in Wasson Coal Company's No. 1 mine, by falling coal. He leaves a widow and two children.

March 12, Winnie Miller, miner, age 51 years, single, died from injuries sustained two days previous in Logan Highway Coal Company's mine by a shot explosion. He leaves four children.

March 13, A. D. Austin, miner, age 40 years, married, was killed by a fall of roof in O'Gara Coal Company's No. 1 mine. He leaves a widow and four children.

April 19, Robert Davis, miner, age 47 years, married, employed in Logan Highway Coal Company's mine, died from injuries received March 10, by a shot explosion. He leaves a widow.

May 2, Richard Watson, miner, age 45 years, single, was killed by a fall of rock in Peabody Coal Company's mine No. 47.

June 19, Robert Humphrey, miner, age 38 years, was killed in No. 1 mine Wasson Coal Company by pit cars. He leaves a widow and four children.

June 26, William Downey, miner, age 30 years, married, was killed by a fall of roof in Logan Highway Coal Company's mine. He leaves a widow and one child.

July 21, Rolley Wilson, miner, age 33 years, married, was killed in Franklin County Coal Company's No. 10 mine by a fall of rock. He leaves a widow and one child.

September 13, Elvy Patrick, triprider, age 37 years, married, was killed by a motor in Peabody Coal Company's No. 47 mine. He leaves a widow and one child.

September 15, J. C. Martin, miner, age 53 years, married, was killed by a fall of rock in his own local mine. He leaves a widow.

September 25, Charley Powell, miner, age 42 years, single, was killed by a fall of slate in Peabody Coal Company's No. 47 mine.

November 27, W. E. Mitchell, miner, age 76 years, single, was killed by falling slate in O'Gara Coal Company's No. 10 mine.

Respectfully submitted,

GEORGE BAGWILL,

Inspector.

FATAL CASUALTIES, ELEVENTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number or letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Jan. 9	Bert Jones	38	Trip rider	Galatia	Peabody Coal Co.	47	1	1	1	4	5	Pit-cars
Jan. 27	Ezra Healy	60	Miner	Gaskin City	Harrisburg Coal Co.	9	1	1	1	1	2	Falling coal
Jan. 27	George Pankey	60	Miner	Carrier Mills	O Gara Coal Co.	12	1	1	1	1	2	Electrocuted
Feb. 5	Euel Cook	24	Miner	Eldorado	Wasson Coal Co.	1	1	1	1	1	1	Falling coal
Feb. 17	John R. Tucker	37	Miner	Eldorado	Wasson Coal Co.	1	1	1	1	2	1	Falling coal
Mar. 12	Winnie Miller	51	Miner	Ridgway	Logan Highway Coal Co.	.....	1	1	1	4	4	Shot explosion
Mar. 13	A. D. Austin	40	Miner	Harrisburg	O Gara Coal Co.	.....	1	1	1	1	5	Falling roof
Apr. 19	Robert Davis	47	Miner	Eldorado	Peabody Coal Co.	.....	1	1	1	1	1	Shot explosion
May 2	Richard Watson	45	Miner	Harrisburg	Peabody Coal Co.	47	1	1	1	1	4	Falling rock
June 19	Robert Humphrey	38	Miner	Harrisburg	Wasson Coal Co.	1	1	1	1	1	5	Pit-cars
June 26	William Downey	30	Miner	Ridgway	Logan Highway Coal Co.	.....	1	1	1	1	2	Falling rock
July 21	Rolley Wilson	33	Miner	Eldorado	Rex Coal Co.	10	1	1	1	1	2	Falling rock
Sept. 13	Elvy Patrick	37	Trip rider	Harrisburg	Peabody Coal Co.	47	1	1	1	1	1	Motor
Sept. 15	J. C. Martin	53	Miner	Kedson	J. C. Martin Mine	47	1	1	1	1	1	Falling rock
Sept. 25	Charley Powell	42	Miner	Harrisburg	Peabody Coal Co.	.....	1	1	1	1	1	Falling slate
Nov. 27	W. E. Mitchell	76	Miner	Eldorado	O Gara Coal Co.	10	1	1	1	1	1	Falling slate

NON-FATAL ACCIDENTS, ELEVENTH DISTRICT, 1931

Name of operator	Loss of 7 or more days				Loss of 30 or more days				Cause of injury	Number		Days lost by men returned	
	Number		Days lost by men returned		Number injured	Days lost		Injured		Not returned	Total	Average	
	Injured	Not returned	Total	Average									
Blue Bird Coal Co.	8		123	15	35	1,956	56	Fall of person.	20		668	33	
O'Gara Coal Co., No. 1	58		2,250	39	26	1,137	44	Fall of roof and sides.	123	13	4,717	43	
O'Gara Coal Co., No. 3	52		1,483	28	20	1,108	55	Flange.	112	8	4,188	40	
O'Gara Coal Co., No. 10	59		1,255	42	20	1,108	55	Lifting.	44		1,508	34	
O'Gara Coal Co., No. 12			163	23	3	109		Machinery.	10	1	361	40	
Peabody Coal Co., No. 43	78	7	2,917	41	43	2,422	56	Struck by objects.	124	5	3,454	29	
Peabody Coal Co., No. 47	98	6	3,801	41	60	3,291	55	Miscellaneous.	11	1	296	30	
Rex Coal Co.	24		749	31	7	492	70						
Wasson Coal Co., No. 1	69	11	1,925	33	22	1,419	64						
Wasson Coal Co., No. 2	9	2	249	36	4	199	50						
Shipping mines	433	26	14,915	37	220	12,133	55	Included in above					
Local mines	11	2	277	31	2	150	75						
All mines	444	28	15,192	37	222	12,283	55		444	28	15,192	37	

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
LOCAL MINES									
1	Mid City Coal Co.	Junction	10,000				9,000	1,000	
2	Logan Highway Coal Co.	Junction	8,500				8,126	374	
3	Pekin Mining Co.	Equality	5,846				4,385	1,461	
4	John O. Baldwin & Son	Equality	1,157				1,157		
5	Jack Sisk, Jr.	Junction	1,140				1,120	20	
6	15 mines producing less than 1,000 tons each		2,509				2,430	79	
Total 20 mines			29,152				26,218	2,934	

POPE COUNTY

LOCAL MINES								
1	Sam Sisner	Golconda	250				250	

SALINE COUNTY

SHIPPING MINES								
1	Peabody Coal Co., No. 47	Harco	579,985	454,919	106,702	2,182	7,626	8,556
2	O'Gara Coal Co., No. 1	Harrisburg	542,239	503,579	32,302		4,695	1,663
3	Wasson Coal Co., No. 1	Harrisburg	387,053	318,139	48,243	3,960	11,215	5,496
4	Peabody Coal Co., No. 43	Harrisburg	371,424	297,744	58,178	4,958	4,782	5,762
5	O'Gara Coal Co., No. 3	Harrisburg	343,048	199,408	103,436	11,140	6,523	22,541
6	O'Gara Coal Co., No. 10	Eldorado	217,079	148,431	48,337	11,367	7,900	1,044
7	Rex Coal Co., No. 2	Eldorado	214,157	205,123		1,313	4,768	2,953
8	Blue Bird Coal Co.	Carrier Mills	196,468	167,903		25,065		3,500
9	Wasson Coal Co., No. 2	Harrisburg	44,150	22,159	19,836	139	2,016	
10	O'Gara Coal Co., No. 12	Harrisburg	38,411	31,479	3,430	741	1,689	1,072
11	Harrisburg Coal Mining Co., No. 9	Harrisburg	23,005	16,447	5,601	135	242	580
Total 11 mines			2,957,019	2,365,331	426,065	61,000	51,456	53,167
LOCAL MINES								
1	Lone Star Coal Co.	Carrier Mills	4,000			3,990	10	
2	Hart Coal Corp.	Harrisburg	3,250			3,100	150	
3	A. O. Stroble	Equality	1,647			1,647		
4	Logan Uzzle	Harrisburg	1,400			1,400		
5	C. & H. Coal Co.	Equality	1,200			900	300	
6	Isaac White	Equality	1,000			800	200	
7	15 mines producing less than 1,000 tons each		3,949			3,599	350	
Total 21 mines			16,446			15,436	1,010	
Total 32 mines			2,973,465	2,365,331	426,065	76,436	52,466	53,167

ELEVENTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
14	200		1,500			1		10,000				1
20	187	350				1		3,300	5,200			2
14	112	325							5,846			3
2	225	46							1,157			4
2	190		750						1,140			5
26	1,028	142							2,509			6
78	97	863	2,250			2		13,300	15,852			

ELEVENTH DISTRICT

1	65	14							250			1
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ELEVENTH DISTRICT

923	126			57,375	37	25	579,985					1
626	166		21,125	43,650	42	17	542,239				33	2
566	138	292	51,475	600	24	9	387,053				39	3
654	115			31,450	17	25	371,424				4	4
244	180		50,725	14,750	19	23	343,048				2	5
308	113			24,600	26	16	217,079				44	6
264	120			21,300	10	19	214,157					7
104	168		20,250		2	8	31,029		165,439		1	8
139	65		13,200		5		44,150					9
415	16			3,625	19	16	38,411				27	10
149	24		2,400			4		23,005			6	11
4,392	112	292	159,175	197,350	201	162	2,768,575	23,005	165,439		156	
8	175	160						4,000				1
14	116	170			1		750	2,500				2
3	92	90						1,647				3
4	70	50						1,400				4
3	100	100						1,200				5
3	165	75						1,000				6
37	981	315			1		200	3,749				7
72	81	960			2		950	15,496				
4,464	92	1,252	159,175	197,350	203	162	2,769,525	38,501	165,439			

WABASH COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to locomotives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	LOCAL MINES								
1	White City Coal Co.	Keensburg.	4,643				3,715	928	
2	Bluff Coal Co.	Keensburg.	1,000				930	70	
3	4 mines producing less than 1,000 tons each.		965				933	32	
	Total 6 mines.		6,608				5,578	1,030	

WHITE COUNTY

SHIPPING MINE									
1	Fireband Fuel Co., No. 1.	Norris City.	8,608	4,301	.....	.....	3,005	1,302	.....

ELEVENTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of —		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
12	120	400							4,643			1
9	50	100							1,000			2
13	130	94							965			3
34	50	594							6,608			

ELEVENTH DISTRICT

99	37	125				3	1	8,608			7	1
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ELEVENTH DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employees
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Saline.....	11	2,957,019	2,365,331	426,065	.....	61,000	51,456	53,167	4,392
White.....	1	8,608	4,301	.....	.....	3,005	1,302	.....	99
Total.....	12	2,965,627	2,369,632	426,065	.....	64,005	52,758	53,167	4,491

LOCAL MINES,

Gallatin.....	20	29,152	.....	.....	.....	26,218	2,934	.....	78
Pope.....	1	250	.....	.....	.....	250	.....	.....	1
Saline.....	21	16,446	.....	.....	.....	15,436	1,010	.....	72
Wabash.....	6	6,608	.....	.....	.....	5,578	1,030	.....	34
Total.....	48	52,456	.....	.....	.....	47,482	4,974	.....	185

ALL MINES

Gallatin.....	20	29,152	.....	.....	.....	26,218	2,934	.....	78
Pope.....	1	250	.....	.....	.....	250	.....	.....	1
Saline.....	32	2,973,465	2,365,331	426,065	.....	76,436	52,466	53,167	4,464
Wabash.....	6	6,608	.....	.....	.....	5,578	1,030	.....	34
White.....	1	8,608	4,301	.....	.....	3,005	1,302	.....	99
Total.....	60	3,018,083	2,369,632	426,065	.....	111,487	57,732	53,167	4,676

BY COUNTIES, SHIPPING MINES

Days oper- ated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of ani- mals under- ground
	Pow- der— kegs	Pellet pow- der— pounds	Dyna- mite— pounds	Permis- sibles— pounds			Machine	Hand	Stripping	
112	292	159,175	.....	197,350	201	162	2,768,575	23,005	165,439	156
37	125	.....	.....	.....	3	1	8,608	.....	.....	7
106	417	159,175	.....	197,350	204	163	2,777,183	23,005	165,439	163

ELEVENTH DISTRICT

97	863	2,250	.....	.....	2	.....	13,300	15,852	.....	.....
65	14	.....	.....	.....	.....	.....	.....	250	.....	.....
81	960	.....	.....	.....	2	.....	950	15,496	.....	.....
50	594	.....	.....	.....	.....	.....	.....	6,608	.....	.....
83	2,431	2,250	.....	.....	4	.....	14,250	38,206	.....	.....

ELEVENTH DISTRICT

97	863	2,250	.....	.....	2	.....	13,300	15,852	.....	.....
65	14	.....	.....	.....	.....	.....	.....	250	.....	.....
92	1,252	159,175	.....	197,350	203	.....	2,769,525	38,501	165,439	.....
50	594	.....	.....	.....	.....	.....	.....	6,608	.....	.....
37	125	.....	.....	.....	3	.....	8,608	.....	.....	.....
88	2,848	161,425	.....	197,350	208	.....	2,791,433	61,211	165,439	.....

TWELFTH DISTRICT

*Hon. John G. Millhouse, Director,
Department of Mines and Minerals,
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Twelfth Inspection District, comprising the coal producing Counties of Johnson and Williamson for the year ended December 31, 1931.

The items shown are summarized in the following general statement:

Number of Counties producing coal.....	2
Number of shipping mines.....	20
Number of local mines.....	61
Number of employees underground.....	4,151
Number of employees on surface.....	692
Total number employed.....	4,843
Tons of coal produced in shipping mines.....	2,090,098
Tons of coal produced in local mines.....	77,411
Tons of coal produced, total.....	2,167,509
Days operated, shipping mines, average.....	94
Days operated, local mines, average.....	112
Number of undercutting machines.....	143
Tons undercut.....	1,919,796
Tons mined by hand.....	213,368
Tons mined in strip mines.....	34,345
Number of loading machines used.....	344
Tons loaded mechanically.....	1,375,852
Number of fatal accidents.....	5
Number of non-fatal accidents.....	146
Number of employees to each fatality.....	969
Number employed to each non-fatal accident.....	33.2
Tons of coal mined to each fatality.....	433,502
Tons mined to each non-fatal accident.....	14,846
Number of fatalities per 1000 employed.....	1.0
Number injured per 1000 employed.....	30.1

NEW MINES

Carterville Coal Mining Co.
McClusky, Pendley & Wilkinson

ABANDONED MINES

Henderson-Wallace Coal Co.
Ohio Valley Coal Co.

IDLE MINES

Madison Coal Corporation, No. 9.
Consolidated Coal Co. L. C. & No. 8.
Crerar-Clinch Coal Co.
Old Ben Coal Corporation, Nos. 17 and 20.

Cosgrove-Meehan Coal Co., No. 2.
 McLaren Coal Co.
 Peabody Coal Co., No. 26.
 Tregoning Coal Co.
 Illinois Higrade Coal Co.

FATAL ACCIDENTS

April 8, Roy Chamness, machineman, age 51 years, married, was killed in Cosgrove-Meehan Coal Company's No. 3 mine by being caught between pit car and coal rib. He leaves a widow.

May 6, John Crompton, triprider, age 25 years, married, died from injuries received June 6, 1930, in C. W. & F. Coal Company's mine A, by a fall of rock. He leaves a widow and two children.

July 17, Clarence Simpson, machine helper, age 39 years, married, was killed by a fall of coal in the Carterville and Herrin Coal Company's mine. He leaves a widow and three children.

October 6, Roy Murray, triprider, age 26 years, married, was caught between two pit cars and killed in Consolidated Coal Company's No. 7 mine. He leaves a widow and one child.

December 7, John Rinkus, machineman, age 43 years, married, was killed by coming in contact with a trolley wire in Old Ben Coal Corporation's No. 18 mine. He leaves a widow and two children.

Respectfully submitted,

ARTHUR W. PLUMLEE,
Inspector.

FATAL CASUALTIES, TWELFTH DISTRICT, DEC. 31, 1931

Date 1931	Name	Age	Occupation	Residence	Name of operator of mine	Number of letter of mine	Married	Single	Widow	Children	Dependents	Cause of death
Apr. 8	Roy Chamness.....	51	Macline man.....	Marion.....	Cosgrove-Meehan Coal Co....	3	1	1	1	1	1	1 Pt-cars
May 6	John Compton.....	25	Trip rider.....	Herrin.....	C. W. & F. Coal Co.....	A	1	1	1	2	3	3 Falling rock
July 17	Clarence Simpson.....	39	Machine man.....	Herrin.....	Carterville-Herrin Coal Co....	.....	1	1	1	3	4	4 Falling rock
Oct. 6	Roy Murray.....	26	Trip rider.....	Herrin.....	Consolidated Coal Co.....	.....	7	1	1	1	2	2 Pt-cars
Dec. 7	John Rinkus.....	43	Macline man.....	Johnston City.....	Old Ben Coal Corp.....	18	1	1	1	2	3	3 Electrocutd

NON-FATAL ACCIDENTS, TWELFTH DISTRICT, 1931

Name of operator	Loss of 7 or more days			Loss of 30 or more days			Cause of injury	Number		Days lost by men returned	
	Number		Days lost by men returned	Number injured	Days lost			Injured	Not returned		
	Injured	Not returned			Total	Average					
											Total	Average
Carbon Fuel Co.	7	1	55	9			Fall of person	12		288	24
C. W. & F. Coal Co., A.	12		384	32	6	47	Fall of roof and sides.	28	4	614	26
City Lake Coal Co.	1		12	12			Haulage	33	1	1,224	38
Consolidated Coal Co., No. 7.	41	5	862	24	13	37	Lifting	11		269	24
Cosgrove-Meehan Coal Co., No. 1.	12		191	16			Machinery	8		167	21
Cosgrove-Meehan Coal Co., No. 3.	5		74	15	1	30	Struck by objects	49	2	1,370	29
Freeman Coal Co.	6		200	33	2	75	Miscellaneous	5		58	12
McCoy, P. & W. Coal Co.	1		28	28							
Madison Coal Corp., No. 12.	14		571	41	8	64					
Ogmore Coal Co.	1		48	48	1						
Old Ben Coal Corp., No. 18.	12		217	18	2	40					
Peabody Coal Co., No. 25.	13	1	511	43	5	78					
St. Louis Coal & Iron Co.	13		673	52	8	88					
Skages Coal Co.	1		62	62	1	62					
Wallace Coal Co.	7		102	15	1	34					
Shipping mines.	146	7	3,990	29	48	2,706		146	7	3,990	29

JOHNSTON COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
	LOCAL MINES								
	7 mines producing less than 1,000 tons each.....		1,690				1,670	20	

WILLIAMSON COUNTY

SHIPPING MINES								
1	Cartersville Herrin Coal Co..	Herrin	306,302	243,000	40,000	18,000	5,000	302
2	Consolidated Coal Co.....	Herrin	306,021	245,300	38,181	4,440	12,802	5,298
3	Madison Coal Corp., No. 12.	Cambria	221,951		217,214	716	4,008	13
4	Peabody Coal Co., No. 25....	Cartersville.....	205,174	188,101	9,515	460	4,924	2,174
5	Cosgrove Meehan Coal Co., No. 1.	Johnston City..	178,455	134,710	34,271	954	8,520	
6	St. Louis Coal & Iron Co., No. 2.	Johnston City..	176,533		176,533			
7	Old Ben Coal Corp., No. 18..	Johnston City..	165,238	123,944	39,928	993	373	
8	Wallace Coal Co.....	Marion.....	105,812	88,521	16,088			1,203
9	Cosgrove Meehan Coal Co., No. 3.	Marion.....	100,864	83,143	12,672	194	4,855	
10	C. W. & F. Mining Co., "A"	Herrin	91,713	63,737	7,013	2,477	7,310	11,176
11	Carbon Fuel Co.....	Marion.....	89,229	72,479	15,607			1,143
12	Freeman C. M. Co.....	Herrin	75,801	66,847	5,050	2,355	174	1,375
13	City Lake Coal Co.....	Herrin	29,626	7,786	21,840			
14	Coal Stripping Co.....	Marion.....	18,050		18,050			
15	Skaggs Coal Co., No. 1.....	Herrin	6,154	5,368	486		300	
16	Puritan Coal Co., No. 1.....	Johnston City..	5,792	5,792				
17	Cartersville Coal Mining Co., No. 1.	Cartersville.....	3,150	2,900	250			
18	Ogmore Coal Co.....	Cambria	1,949	696		921	232	100
19	Spillertown Mining Co.....	Marion.....	1,300	1,300				
20	McCluskey, Pendley & Wilkinson	Marion.....	984	525		459		
Total 20 mines.....			2,090,098	1,334,149	652,698	31,969	48,498	22,784
LOCAL MINES								
1	New Black Diamond Coal Co.....	Cartersville.....	6,941			6,936	5	
2	Chas. Burch.....	Marion.....	6,758			6,758		
3	C. M. Budis.....	Marion.....	6,000			5,500	500	
4	Springhart Bros.....	Marion.....	5,000			5,000		
5	Whiteside Bros. Coal Co....	Marion.....	3,670			3,670		
6	Young Bros.....	Cartersville.....	3,315			3,315		
7	Consumers Coal & Materials Co.	Carbondale....	2,731			2,731		
8	F. E. Grant Coal Co.....	Marion.....	2,500			2,500		
9	W. N. Stroud.....	Marion.....	2,500			2,500		
10	Roy Wilson Coal Co., No. 2.	Marion.....	2,500			2,450	50	
11	W. N. Hill.....	Stonefort.....	2,400			2,400		
12	Roy Wilson Coal Co., No. 1.	Marion.....	2,000			1,970	30	
13	Moore & Harrico.....	Marion.....	2,000			2,000		
14	John Hundley.....	Cartersville.....	1,958			1,958		
15	Red Rose Coal Co.....	Marion.....	1,760			1,760		

TWELFTH DISTRICT

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
20	72	12	1,100	.....	25	.....	.....	.....	1,690	.....	.....	1

TWELFTH DISTRICT

362	205	7,200	.....	.....	.....	12	4	229,725	76,577	.....	20	1
430	107	.....	.....	.....	46,625	12	19	306,021	.....	.....	.....	2
875	43	2,768	.....	.....	3,500	41	20	221,951	.....	.....	.....	3
269	100	.....	106,300	.....	.....	10	3	180,369	24,805	.....	23	4
313	82	.....	.....	.....	29,150	10	14	178,455	.....	.....	10	5
130	198	.....	.....	.....	40,650	8	8	176,533	.....	.....	.....	6
770	38	.....	.....	.....	2,425	13	24	165,238	.....	.....	.....	7
39	241	.....	34,000	.....	.....	2	.....	105,812	.....	.....	5	8
351	46	.....	.....	.....	1,400	15	12	100,864	.....	.....	2	9
350	37	.....	.....	.....	14,750	8	11	91,713	.....	.....	.....	10
32	221	.....	30,500	.....	.....	1	1	89,229	.....	.....	4	11
332	50	.....	.....	.....	9,375	8	.....	68,167	7,634	.....	.....	12
61	151	1,785	.....	.....	.....	.....	.....	.....	29,626	.....	10	13
65	12	.....	.....	.....	800	.....	.....	.....	.....	18,050	.....	14
125	23	87	.....	.....	.....	3	1	5,719	435	.....	8	15
21	160	386	.....	.....	.....	.....	.....	.....	5,792	.....	2	16
22	8	.....	250	50	.....	.....	.....	.....	.....	3,150	.....	17
22	32	100	.....	.....	.....	.....	.....	.....	1,949	.....	.....	18
8	62	56	.....	.....	.....	.....	.....	.....	1,300	.....	.....	19
11	67	.....	2,100	.....	.....	.....	.....	.....	984	.....	.....	20
4,588	94	12,382	173,150	50	148,675	143	117	1,919,796	149,102	21,200	90	.....
13	200	385	.....	.....	.....	.....	.....	.....	6,941	.....	.....	1
9	190	182	.....	.....	.....	.....	.....	.....	6,758	.....	.....	2
11	300	260	.....	.....	.....	.....	.....	.....	6,000	.....	.....	3
10	300	435	.....	.....	.....	.....	.....	.....	5,000	.....	.....	4
7	201	183	.....	.....	.....	.....	.....	.....	3,670	.....	.....	5
3	200	28	.....	.....	.....	.....	.....	.....	.....	3,315	.....	6
7	90	.....	.....	.....	.....	.....	.....	.....	.....	2,731	.....	7
5	300	160	.....	.....	.....	.....	.....	.....	2,500	.....	.....	8
3	110	60	.....	.....	.....	.....	.....	.....	.....	2,500	.....	9
5	180	100	.....	.....	.....	.....	.....	.....	2,500	.....	.....	10
5	60	120	.....	.....	.....	.....	.....	.....	2,400	.....	.....	11
4	165	80	.....	.....	.....	.....	.....	.....	2,000	.....	.....	12
5	90	100	.....	.....	.....	.....	.....	.....	2,000	.....	.....	13
5	185	125	.....	.....	.....	.....	.....	.....	1,958	.....	.....	14
6	100	69	.....	.....	.....	.....	.....	.....	1,760	.....	.....	15

WILLIAMSON COUNTY

Number	Name of operator	Post office address of the mine	Disposition of output—tons						
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons supplied to loco-motives	Tons sold to local trade	Tons consumed at the mine	All coal not sold including waste
16	Tony Polinsky	Marion	1,748				1,748		
17	Prospect Coal Co.	Marion	1,600				1,560	40	
18	Gabriel Bros.	Marion	1,500				1,500		
19	Dewie Anderson	Marion	1,450				1,450		
20	Elkins & John	Cambria	1,389				1,389		
21	I. D. Gosnell	Herrin	1,291				1,070	221	
22	Rosco Jeter	Marion	1,228				1,228		
23	L. R. Gabriel	Marion	1,200				1,200		
24	Deep Vein Coal Co.	Marion	1,055				1,050	5	
25	Ed Ferges	Marion	1,020				895	125	
26	29 mines producing less than 1,000 tons each		10,207				10,179	28	
	Total 54 mines		75,721				74,717	1,004	
	Total 74 mines		2,165,819	1,334,149	652,698		106,686	49,502	22,784

TWELFTH DISTRICT—Concluded

Total employees	Days of active operation	Explosives used for blasting coal				Number of—		Tons mined by machine	Tons mined by hand	Tons mined in strip mines	Number animals underground	Number
		Powder—kegs	Pellet powder—pounds	Dynamite—pounds	Permissibles—pounds	Mining machines	Motors					
3	150	25							248	1,500		16
6	132	124							1,600			17
2	180	8								1,500		18
4	175	95							1,450			19
3	68	68							1,389			10
6	78	74							1,228			21
6	58		550						1,221			22
4	160	100							1,200			23
5	90	50							1,055			24
4	170	65							1,020			25
94	2,416	414	125						8,608	1,599		26
235	119	3,310	675						62,576	13,145		
4,823	111	15,692	173,825	50	148,675	143	117	1,919,796	211,678	34,345	86	

TWELFTH DISTRICT, RECAPITULATION

County	Number of mines	Total tons mined	Disposition of output in tons						Total employes
			Loaded on cars for shipment	Sold to railroad companies	Supplied to locomotives	Sold to local trade	Used at the mine	All coal not sold including waste	
Williamson....	20	2,090,098	1,334,149	652,698	.....	31,969	48,498	22,784	4,588
Total	20	2,090,098	1,334,149	652,698	.....	31,969	48,498	22,784	4,588

LOCAL MINES,

Johnston.....	7	1,690	.....	.....	.....	1,670	20	.....	20
Williamson....	54	75,721	.....	.....	.....	74,717	1,004	.....	235
Total	61	77,411	.....	.....	.....	76,387	1,024	.....	255

ALL MINES

Johnston.....	7	1,690	.....	.....	.....	1,670	20	.....	20
Williamson....	74	2,165,819	1,334,149	652,698	.....	106,686	49,502	22,784	4,823
Total	81	2,167,509	1,334,149	652,698	.....	108,356	49,522	22,784	4,843

BY COUNTIES, SHIPPING MINES

Days oper- ated	Explosives used for blasting coal.				Number of mining machines used	Number of motors in use	Tons mined by			No. of ani- mals under- ground
	Pow- der— kegs	Pellet pow- der— pounds	Dyna- mite— pounds	Permis- sibles— pounds			Machine	Hand	Stripping	
94	12,382	173,150	50	148,675	143	117	1,919,796	149,102	21,200	90
94	12,382	173,150	50	148,675	143	117	1,919,796	149,102	21,200	90

TWELFTH DISTRICT

72	12	1,100	.....	25	.....	.....	.....	1,690	.....	.....
119	3,310	675	.....	.....	.....	.....	.....	62,576	13,145	.....
112	3,322	1,775	.....	25	.....	.....	.....	64,266	13,145	.....

TWELFTH DISTRICT

72	12	1,100	.....	25	.....	.....	.....	1,690	.....	.....
111	15,692	173,825	50	148,675	143	117	1,919,796	211,678	34,345	.....
108	15,704	174,925	50	148,700	143	117	1,919,796	213,368	34,345	.....

SUPPLEMENT

Report of Division of Inspection.

Report of Division of Miners' Examination.

Report of Division of Mine Rescue.

Report of Division of Economic Investigation.

Report of Division of Fluorspar.

Report of State Mining Board.

List of State Inspectors.

List of Mine Managers.

List of Hoisting Engineers.

List of Mine Examiners.

REPORT OF DIVISION OF INSPECTION

The following summary shows the days worked by the State Inspectors during the year:

Inspecting mines.....	1987
Other classified duties.....	645
Miscellaneous service.....	846
Total.....	<u>3478</u>
Average days for each Inspector.....	289.8
Average days inspecting mines.....	165.6
Average days in other classified duties.....	53.7
Average days in miscellaneous service.....	70.5
Number of inspections made.....	2383
Average for each Inspector.....	115

SUMMARY OF SPECIFIC WORK REPORT FOR THE YEAR 1931

District	Inspecting mines					Other classified duties—days worked								Miscellaneous services		Total days
	Shipping		Local		Total	Per cent of time inspecting mines	Investigating accidents	Testing scales	Investigating complaints	Office work	Traveling	Total days in other classified duties	Per cent of other classified duties	Miscellaneous services		
	Num-ber of inspec-tions made	Days worked	Num-ber of inspec-tions made	Days worked										Days worked	Per cent of time worked	
First.....	31	43	134	98	165	48.5	2	1	14	49	33	99	34.0	51	17.5	291
Second.....	19	31	197	108	216	76.2	3	1	20	.....	.....	24	7.9	48	15.9	301
Third.....	42	55	729	205	771	87.3	3	.....	.....	5	7	15	5.0	23	6.7	298
Fourth.....	59	97	89	68	148	56.9	15	5	13	.....	.....	6	19.3	69	23.8	290
Fifth.....	12	34	120	117	132	51.0	10	.....	1	20	13	44	14.9	101	34.1	296
Sixth.....	76	142	114	43	190	68.3	8	.....	6	.....	.....	21	7.7	65	24.0	271
Seventh.....	64	59	55	32	119	40.1	6	.....	.....	.....	3	9	4.0	127	55.9	227
Eighth.....	71	73	33	33	104	35.0	7	24	17	62	.....	110	36.3	87	28.7	303
Ninth.....	62	78	132	102	194	59.1	6	5	23	10	4	48	15.7	77	25.2	305
Tenth.....	46	153	.....	63	146	52.4	17	.....	44	16	14	91	31.2	68	16.4	292
Eleventh.....	34	85	102	.....	136	49.2	21	.....	37	18	9	85	28.2	68	22.6	301
Twelfth.....	33	53	129	125	162	58.7	8	2	5	21	7	43	14.2	82	27.1	303
Total.....	549	903	1,834	1,084	2,383	57.1	106	38	180	218	103	645	18.5	846	24.4	3,478

REPORT OF MINERS' EXAMINING DIVISION

The Miners' Examining Board have held meetings for the purpose of examining applicants as to their qualifications as practical miners as shown in the following list:

TABLE I.

Date	Place of meetings	Number of applicants	Number of certificates issued	Number of candidates rejected	Fees collected
1931					
Jan	5 Belleville.....	8	6	2	\$ 12.00
	6 Harrisburg.....	17	13	4	26.00
	7 Herrin.....	9	7	2	14.00
	8 West Frankfort.....	6	4	2	8.00
	9 Duquoin.....	13	10	3	20.00
	10 Taylorville.....	3	2	1	4.00
	12 Pana.....	2	2		4.00
	13 Danville.....	19	15	4	30.00
	14 Farmington.....	15	12	3	24.00
	15 Peoria.....	17	14	3	28.00
	16 Springfield.....	14	10	4	20.00
Feb.	17 Bend.....	5	4	1	8.00
	2 Collinsville.....	3	2	1	4.00
	3 Marissa.....	5	4	1	8.00
	4 Harrisburg.....	5	4	1	8.00
	5 Johnston City.....	4	3	1	6.00
	6 Benton.....	3	3		6.00
	7 Sesser.....	5	3	2	6.00
	9 Taylorville.....	5	4	1	8.00
	10 Danville.....	9	7	2	14.00
	11 Canton.....	7	6	1	12.00
	12 Peoria.....	7	5	2	10.00
	13 Springfield.....	5	4	1	8.00
	14 Staunton.....	6	5	1	10.00
Mar.	9 Belleville.....	4	3	1	6.00
	10 Harrisburg.....	6	4	2	8.00
	11 Herrin.....	4	3	1	6.00
	12 West Frankfort.....	2	2		4.00
	13 Duquoin.....	3	2	1	4.00
	14 Taylorville.....	4	3	1	6.00
	16 Decatur.....	9	7	2	14.00
	17 Danville.....	10	7	3	14.00
	18 Peoria.....	2	2		4.00
	19 Canton.....	12	9	3	18.00
	20 Springfield.....	9	7	2	14.00
	21 Gillespie.....	4	3	1	6.00
Apr.	13 Pana.....	2	1	1	2.00
	14 Danville.....	27	23	4	46.00
	15 LaSalle.....	11	9	2	18.00
	16 Peoria.....	13	10	3	20.00
	17 Springfield.....	4	3	1	6.00
	18 Gillespie.....	3	2	1	4.00
	20 Collinsville.....	7	5	2	10.00
	21 West Frankfort.....	10	8	2	16.00
	22 Harrisburg.....	9	7	2	14.00
	23 Herrin.....	7	6	1	12.00
	24 Christopher.....	3	2	1	4.00
	25 Centralia.....	3	3		6.00
May	11 Belleville.....	5	4	1	8.00
	12 Harrisburg.....	4	3	1	6.00
	13 Herrin.....	3	3		6.00
	14 West Frankfort.....	2	2		4.00
	15 Duquoin.....	3	2	1	4.00
	16 Taylorville.....	2	1	1	2.00
	18 Danville.....	9	7	2	14.00

MINERS EXAMINATION—Continued

Date	Place of meetings	Number of applicants	Number of certificates issued	Number of candidates rejected	Fees collected
1931					
May 19	LaSalle.....	2	1	1	\$ 2.00
20	Galesburg.....	3	2	1	4.00
21	Peoria.....	8	6	2	12.00
22	Springfield.....	4	4	.....	8.00
23	Staunton.....	5	4	1	8.00
June 8	Collinsville.....	1	1	.....	2.00
9	Marissa.....	2	1	1	2.00
10	Harrisburg.....	1	1	.....	2.00
11	Herrin.....	2	1	1	2.00
12	West Frankfort.....	4	3	1	6.00
13	Centralia.....	5	4	1	8.00
15	Pana.....	4	3	1	6.00
16	Danville.....	2	2	.....	4.00
17	Canton.....	8	6	2	12.00
18	Peoria.....	11	9	2	18.00
19	Springfield.....	12	9	3	18.00
20	Gillespie.....	5	4	1	8.00
July 13	Belleville.....	2	1	1	2.00
14	Harrisburg.....	1	1	.....	2.00
15	Herrin.....	2	1	1	2.00
16	West Frankfort.....	1	1	.....	2.00
17	Duquoin.....	4	3	1	6.00
18	Taylorville.....	31	26	5	52.00
20	LaSalle.....	3	2	1	4.00
21	Peoria.....	5	4	1	8.00
22	Springfield.....	7	5	2	10.00
23	Danville.....	10	7	3	14.00
24	Decatur.....	10	8	2	16.00
25	Staunton.....	7	5	2	10.00
Aug. 10	Belleville.....	3	2	1	4.00
11	Marissa.....	1	1	.....	2.00
12	Harrisburg.....	2	1	1	2.00
13	West Frankfort.....	1	1	.....	2.00
14	Zeigler.....	4	3	1	6.00
15	Centralia.....	3	2	1	4.00
17	Taylorville.....	4	2	2	4.00
18	Danville.....	12	9	3	18.00
19	Canton.....	11	9	2	18.00
20	Peoria.....	10	8	2	16.00
21	Springfield.....	31	26	4	52.00
22	Gillespie.....	6	5	2	10.00
Sept. 14	Belleville.....	2	1	1	2.00
15	Harrisburg.....	7	5	2	10.00
16	Herrin.....	6	5	1	10.00
17	West Frankfort.....	4	3	1	6.00
18	Duquoin.....	8	6	2	12.00
19	Taylorville.....	7	6	1	12.00
21	Shelbyville.....	27	23	4	46.00
22	Danville.....	16	13	3	26.00
23	Canton.....	22	18	4	36.00
24	Peoria.....	53	44	9	88.00
25	Springfield.....	26	21	5	42.00
26	Gillespie.....	6	5	1	10.00
Oct. 12	Collinsville.....	4	3	1	6.00
13	Harrisburg.....	10	7	3	14.00
14	Herrin.....	4	3	1	6.00
15	West Frankfort.....	2	1	1	2.00
16	Pana.....	2	2	.....	4.00
17	Danville.....	11	9	2	18.00
19	LaSalle.....	2	1	1	2.00
20	Coal Valley.....	11	8	3	16.00
21	Galesburg.....	17	13	4	26.00
22	Peoria.....	30	25	5	50.00
23	Springfield.....	14	11	3	22.00
24	Staunton.....	7	5	2	10.00
Nov. 9	Belleville.....	5	4	1	8.00
10	Sparta.....	3	2	1	4.00
11	Harrisburg.....	11	8	3	16.00
12	Johnston City.....	17	13	4	26.00
13	Zeigler.....	3	2	1	4.00
14	Taylorville.....	12	9	3	18.00
16	Danville.....	17	13	4	26.00

MINERS EXAMINATION—Concluded

Date	Place of meetings	Number of applicants	Number of certificates issued	Number of candidates rejected	Fees collected
1931					
Nov. 17	South Wilmington.....	12	10	2	\$ 20.00
18	Farmington.....	20	16	4	32.00
19	Peoria.....	18	15	3	30.00
20	Springfield.....	7	6	1	12.00
21	Gillespie.....	11	9	2	18.00
Dec. 7	Belleville.....	5	4	1	8.00
8	Marissa.....	4	3	1	6.00
9	Harrisburg.....	4	3	1	6.00
10	Herrin.....	3	3	0	6.00
11	West Frankfort.....	6	4	2	8.00
12	Duquoin.....	4	3	1	6.00
14	Shelbyville.....	2	1	1	2.00
15	Danville.....	3	2	1	4.00
16	Peoria.....	13	11	2	22.00
17	Springfield.....	8	7	1	14.00
18	Roodhouse.....	8	6	2	12.00
19	Staunton.....	6	5	1	10.00
	Total.....	1,138	893	245	\$1,786.00

TABLE 2.—This table is arranged to show, in alphabetical order, the places of meeting, the number of examinations held, number of applicants, number of certificates issued, number of applicants rejected and amount of fees collected at each place:

Place of meetings	Number of meetings held	Number of applicants	Number of certificates issued	Number of candidates rejected	Fees collected
Belleville.....	8	34	25	9	\$50.00
Benid.....	1	5	4	1	8.00
Benton.....	1	3	3	0	6.00
Canton.....	5	60	48	12	96.00
Centraha.....	3	11	9	2	18.00
Christopher.....	1	3	2	1	4.00
Coal Valley.....	1	11	8	3	16.00
Collinsville.....	4	15	11	4	22.00
Danville.....	12	145	114	31	228.00
Decatur.....	2	19	15	4	30.00
Duquoin.....	6	35	26	9	52.00
Farmington.....	2	35	28	7	56.00
Galesburg.....	2	20	15	5	30.00
Gillespie.....	6	35	28	8	56.00
Harrisburg.....	12	77	57	20	114.00
Herrin.....	9	40	32	8	64.00
Johnston City.....	2	21	16	5	32.00
LaSalle.....	4	18	13	5	26.00
Marissa.....	4	12	9	3	18.00
Pana.....	4	10	8	2	16.00
Peoria.....	12	187	153	34	306.00
Roodhouse.....	1	8	6	2	12.00
Sesser.....	1	5	3	2	6.00
Shelbyville.....	2	29	24	5	48.00
South Wilmington.....	1	12	10	2	20.00
Sparta.....	1	3	2	1	4.00
Springfield.....	12	141	113	27	226.00
Staunton.....	5	31	24	7	48.00
Taylorville.....	8	68	53	15	106.00
West Frankfort.....	10	38	29	9	58.00
Zeigler.....	2	7	5	2	10.00
Total.....	144	1,138	893	245	\$1,786.00

REPORT OF MINE RESCUE AND FIRST-AID DIVISION

The report of this Division for the year 1931 is herewith presented. No major disaster of any kind occurred in the mines during the year; consequently the calls for help received at the Stations were few.

No calls were received at the Eldorado Station.

HERRIN STATION

The Herrin Station received a call November 15 for pulmotor service for a boy who had fallen into a pond near Cambria. The team worked an hour trying to resuscitate the boy but was unsuccessful.

December 17, the Herrin team was called to Franklin County Coal Company's No. 7 mine and opened an area which had been sealed to extinguish a fire.

DUQUOIN STATION

The Duquoin Station was called May 26 to the Swofford mine to extinguish a fire.

May 28 a call came from Union Colliery Company, where an explosion had occurred.

June 13, a call came for an inhalator. A boy was drowned, and had been pronounced dead by the doctor. After working with him for two hours the attempt to resuscitate him was given up.

SPRINGFIELD STATION

The Springfield Station received a call April 14, for the team and equipment to Chicago to assist in subduing the tunnel fire and did effective service.

BELLEVILLE STATION

Calls came to the Belleville Station as follows:

March 28 to New National mine, where a man was shocked by electric wire.

April 13 to the aid of a woman overcome by gas.

May 11 called to aid man, but he had died from heart paralysis prior to our arrival.

June 15 called to Belleville Shoe Company, where a man was suffering with epilepsy.

June 29 called to Kaskaskia River where a boy was drowned. After two hours treatment, and no response, the effort was given up.

August 16, called to aid a man who had been struck by lightning, and after a period of two hours he was revived.

December 9, called to O'Fallon, where a man had been overcome by carbon monoxide. Two hours of treatment proved fruitless.

JOHNSTON CITY STATION

November 16, 1931, called to Cambria, Illinois, to assist in the rescue of a boy who had fallen into a sink-hole of an abandoned coal mine. The Gibbs breathing apparatus was worn in removing the body from the sink-hole. Then the H-H Inhalator was used in connection with artificial respiration for sixty minutes, when the boy was declared dead by the attending doctor.

December 7, 1931, called to Old Ben Coal Corporation No. 18, Johnston City, Illinois. This was a case where a cutting machine operator had been electrocuted. The H-H Inhalator was used in connection with artificial respiration for four hours, at which time the victim was pronounced dead by the attending physician.

BENTON STATION

May 29 a call came for the rescue team from the Union Colliery Company's mine at Dowell, where an explosion occurred.

On July 29, at about 10:30 P.M., a party of four, two men and two women, were in the lake, bathing, when one of the women was missed and a search began. After some time she was found on the bottom of the lake and rushed to a doctor's office in Benton. The doctor, having an emergency call, requested the party to take the girl to the Mine Rescue Station, which they did, arriving there about 12:30 A.M. The Superintendent was awakened, got up and helped to carry the patient into the Station. She was then placed in the proper position and artificial respiration with an inhalator resorted to. After forty-five minutes of this work, the patient began to revive and shock treatment was administered, but she collapsed. Artificial respiration was again started and continued about one hour and fifteen minutes, when the patient again revived, and shock treatment was given. She was then walked to the automobile and taken to her home, completely recovered. The time devoted to artificial respiration was about two hours.

LA SALLE STATION

Rescue of an Entombed Boy

Mr. A. C. Skelton, Superintendent of the La Salle Mine Rescue Station, gives the following report of the rescue of Howard Smith from a caved-in well:

On Saturday, June 27, 1931, at 3:45 P.M., says Mr. Skelton, I received a call from the County Inspector informing me that a boy had been caught in a caved-in well, and asking for help. I immediately left with two of my team members, reaching the place about the same time that Mr. Currie, manager of the Union Coal Company, and five miners from his mine, arrived:

We learned that Howard Smith had gone into the well with his uncle, Frank Rabe, to repair the pump cylinder. The well had been walled with loose boulders, which were easily displaced. When the cave-in started, young Smith was near the bottom and his uncle near the top and easily escaped. The boy was caught by the mass of debris. Happily the uncle, when he reached the surface, and before the cave-in

was complete, threw a piece of water hose, which lodged near the boy's head and furnished him with air and a means of communication.

From Mr. Rabe we learned that the boy was buried about twenty feet from the surface. I was given charge of the rescue work and gave orders to begin digging a hole fifteen feet from the well and to continue to a depth of twelve feet. This was done, and we then started a tunnel on a pitch to reach the well at the proper depth. After much hard work, we reached the boulders at a point where we were able to talk to the boy. Removing the debris was very dangerous, at it might start a slide. However, with the greatest care, we succeeded, at about midnight, in uncovering the boy's head.

We continued taking the boulders from around the boy until he had the use of one hand, but, at this point we encountered the greatest difficulty. One large key boulder was pressed against the boy's left arm and side, and to remove it, in our judgment, meant death, so we decided that rescue could not be made in that way. The men were then set to work timbering around the boy and over his head, in much the same way that the roof of a mine is secured. The boy was now released to the breast.

And now, having secured him as well as possible, we decided to finish the rescue by cleaning out the well. A large number of farm boys offered their services and with the use of block and tackle, all hands working with a will, the task was accomplished and the boy was taken out at 11:45 Sunday morning, after having been entombed twenty-three hours, and without having received a scratch.

The following table shows the number trained at the Mine Rescue Station from January 1, 1931 to December 31, 1931.

Station	MINE RESCUE	FIRST AID				
	Men	Men	Women	Boys	Girls	Total
LaSalle.....	3	963	....	....	....	996
Springfield.....	55	1630	....	15	29	1729
Benton.....	44	357	....	2	5	408
Eldorado.....	8	....	....	....	17	25
Duquoin.....	32	2	12	....	....	46
Herrin.....	14	100	8	....	....	122
Belleville.....	13	107	....	33	....	153
Johnston City.....	6	67	....	....	....	73
Total.....	175	3226	20	50	51	3522

These Station and their Superintendents are as follows:

Station	Superintendent	Location
LaSalle.....	Alex Skelton.....	LaSalle
Springfield.....	James Cluser.....	Springfield
Benton.....	Walter Anderson.....	Benton
Eldorado.....	Frank Patterson.....	Eldorado
Duquoin.....	James Robertson.....	Duquoin
Herrin.....	Thomas Rogers.....	Herrin
Johnston City.....	Bland D. Stutsman.....	Johnston City
Belleville.....	Ivan J. Grieve.....	Belleville

REPORT OF DIVISION OF ECONOMIC INVESTIGATION

WM. L. MORGAN, Investigator

The following tables will show the activities of the various industries under this Division:

TABLE 1—LIMESTONE

Name of Operator	Location of Plant		Production in tons	Number employed	Days worked	Explosives Used	
	Postoffice	County				Powder—Kegs	Dynamite—Pounds
Alpha Portland Cement Co.	LaSalle	LaSalle	221,953	41	175	.....	47,790
Anna Stone Co.	Anna	Union	55,000	14	75	.....	20,700
Ashelford Brothers	Byron	Ogle	1,000	2	120	.....	600
Black White Lime Co.	Quincy	Adams	12,162	5	250	.....	7,050
Big Creek Crushed Rock Co.	Marshall	Clark	9,000	4	96	.....	6,000
Buland Oliver	Pontiac	Livingston	3,000	12	60	.....	400
Casper Stolle Quarry and Construction Co.	Stolle	St. Clair	75,547	26	189	.....	43,450
Casper Stolle Quarry and Construction Co.	Falling Springs	St. Clair	340	15	108	.....	400
City of Chicago House of Correction	Chicago	Cook	5,385	125	150	.....	2,000
Columbia Quarry Co.	Valmeyer	Monroe	176,589	23	273	.....	79,600
Columbia Quarry Co.	Columbia	St. Clair	334,030	38	200	.....	190,000
Consumers Co.	La Grange	Cook	59,354	25	47	.....	31,000
Consumers Co.	Hillside	Cook	218,904	40	146	.....	92,600
Consumers Co.	Lemont	Cook	5,647	a	3	.....	.....
Consumers Co.	McCook	Cook	880,442	60	207	.....	137,450
Charles Stone Co., The	Cypress	Johnson	74,000	45	268	.....	15,000
Dolese and Shepard Co.	McCook	Cook	460,951	54	197	.....	13,909
Eldred Crushed Stone Co.	Eldred	Greene	8,194	15	225	.....	8,000
Elmhurst Chicago Stone Co.	Elmhurst	DuPage	165,493	39	135	.....	44,250
Gray Quarries	Hamilton	Hancock	4,280	2	150	.....	1,800
Great Lakes Dredge and Dock Co.	Willow Springs	Cook	206,600	30	214	.....	68,000
Illinois Electric Limestone Co.	East St. Louis	St. Clair	250,000	45	200	.....	28,000
Joliet Stone Co.	Joliet	Will	67,440	22	130	.....	600
Jordan, J. P.	Ashton	Lee	3,150	5	50	.....	89,550
Lehigh Portland Cement Co.	Oglesby	LaSalle	319,731	30	199	.....	40,500
Lehigh Stone Co.	Lehigh	Kankakee	250,500	45	131	.....	.....

TABLE 1—Concluded

Name of Operator	Location of Plant		Production in tons	Number employed	Days worked	Explosives Used	
	Postoffice	County				Powder—Kegs	Dynamite—Pounds
Lincoln Crushed Stone Co.	Joliet	Will	160,000	21	178	.....	63,800
Marblehead Lime Co.	Quincy	Adams	16,211	3	138	.....	6,750
Marblehead Lime Co.	Marblehead	Adams	16,279	5	134	.....	3,950
Marblehead Cement Manufacturing Co.	Oglesby	LaSalle	1,329,399	133	304	.....	446,957
Marquette Portland Cement Co.	Dixon	Lee	220,000	25	185	.....	60,000
Medusa Portland Cement Co.	Alton	Madison	230,000	17	200	200	100,000
Mississippi Lime and Material Co.	Morris	Kendall	50,000	5	200	.....	4,000
Morris Limestone Co.	Joliet	Will	150,760	16	118	.....	53,600
National Stone Co.	Pierron	Bond	12,896	10	360	.....	3,000
Pottlaster, Jos. F.	Quincy	Adams	7,000	3	60	.....	2,100
Quincy Crane Service Co.	Byron	Ogle	7,368	15	182	.....	7,600
Reber Ernest F.	Lyons	Nadison	26,153	20	170	.....	16,000
Rivance Whiting Co.	Rockford	Cook	21,000	20	170	.....	.....
Riverside Lime and Stone Co.	Waterloo	Winnebago	.....	.....	.....	.....	.....
Rockford Township	Menard	Monroe	52,436	6	13	.....	30
Roever C. F. and E. T.	Waterloo	Monroe	3,000	9	200	.....	12,000
Southern Illinois Penitentiary	Chicago	Cook	37,890	27	307	.....	500
Stotz, Al.	Cordova	Rock Island	35,500	10	225	.....	8,200
Stearns Lime and Stone Co.	Utica	LaSalle	11,825	21	242	.....	8,850
United States Gypsum Co.	Hecker	Monroe	1,170	5	60	.....	20,000
Utica Hydraulic Cement Co.	Grant Fork	Nadison	700	9	34	.....	300
Wachtel and Armistutz	Carbondale	Jackson	239	3	55	.....	250
Wendeline Schmitt J. & J. A. Mollet	Lemont	Cook	205,500	125	217	.....	10
Wentersteen, N. D.	.....	.....	.....	.....	.....	.....	4,000
Western Quarries Co.	.....	.....	.....	.....	.....	.....	.....
Total	.....	.....	6,459,396	2,028	c 157	600	1,790,776

a Not reported.

b 51,675 lbs. liquid oxygen also used.

c Average.

TABLE 2—OIL AND GAS

Name of operator	Postoffice address of the operator	County in which well is located	Number of wells	Production		Number employed	Explosives—nitro-glycerine—quarts
				Oil—barrels	Gas—M cu. ft.		
Adair Oil Co.	New York, 598 Madison Ave	Lawrence	3	3,072		1	
Adams, Clara	Lawrenceville	Wabash		714		a	
Adams Corners Oil Co.	Allendale	Wabash	24	22,597	1,000	3	
Allendale Oil Co., No. 10	Lawrenceville	Wabash	32	26,984		8	
American Oil Development Co.	Pittsburg, Pa., 1414 Oliver Bldg.	Crawford	100	19,674		3	
American Oil Development Co.	Pittsburg, Pa., 1414 Oliver Bldg.	Clark	33	9,167		1	
Arkansas Fuel Oil Co.	Shreveport, La., Ardis Bldg.	Wabash	7	2,442		6	
Arkansas Fuel Oil Co.	Shreveport, La., Ardis Bldg.	Crawford	99	18,071	5,000	1	
Arkansas Fuel Oil Co.	Shreveport, La., Ardis Bldg.	Clark	2	105		a	
Associated Producers Co.	Robinson, Box 243	Coles	13	1,167		1	
Associated Producers Co.	Robinson, Box 243	Clark	111	22,570		5	
Associated Producers Co.	Robinson, Box 243	Crawford	792	228,164		48	
Associated Producers Co.	Robinson, Box 243	Lawrence	90	53,624		1	
Barker, H. D.	Robinson	Crawford	22	2,800	1,500	2	
Bell Bros., et al.	Robinson	Crawford	55	10,555		3	
Bell Bros., et al.	Robinson	Cumberland	64	4,751		2	
Bell Bros., et al.	Robinson	Wabash	3	1,066		1	
Boeger Oil Co.	Mt. Carmel	Wabash	1	3,026		a	
Bond County Gas Co.	Greenville	Bond	1		14,670	2	
Bradford Oil Corporation	Robinson	Crawford	17	4,015		2	
Breen Oil Co.	Mt. Carmel	Wabash	7	4,108		2	
Brenneman & McDonell	Lime, Ohio, 312 S. Cole St.	Crawford	98	18,534		10	
Cisel 40 Acres, 17	Lawrenceville	Wabash	2	5,376		1	
Cisel Heirs, J. H. Oil Co.	Flora	Wabash	3	5,484		1	
Clark and Armstrong	Lawrenceville	Wabash	2	3,958		a	
Clark and Armstrong	Lawrenceville	Wabash	4	6,667		1	
Cole, Lee, Trustee	Marshall	Clark	9	174		a	
Coon Creek Oil Co.	Allendale	Wabash	4	3,201		1	
Courter Lease	Lawrenceville	Wabash	3	3,618		1	
Craig and Lowrie	Pittsburg, Pa., 808 Columbia Bldg.	Crawford	94	21,039		9	
Craig and Lowrie	Pittsburg, Pa., 808 Columbia Bldg.	Lawrence	9	3,031		1	
Craig and Lowrie	Pittsburg, Pa., 808 Columbia Bldg.	Wabash	3	355		1	
Davis, D. C.	Marietta, O., 519 1st Nat'l Bank Bldg.	Clark	64	2,737		3	
Dinsmoor Oil Co.	St. Marys, West Virginia	Crawford	130	27,657		10	
Dinsmoor Oil Co.	St. Marys, West Virginia	Clark	75	11,932		3	
Dinsmoor Oil Co.	St. Marys, West Virginia	Lawrence	10	1,783		1	
Dinsmoor Oil Co.	St. Marys, West Virginia	Cumberland	6	181		1	

TABLE 2—Concluded

Name of operator	Postoffice address of the operator	County in which well is located	Number of wells	Production		Number employed	Explosives—nitro-glycerine—quarts
				Oil—barrels	Gas—M cu. ft.		
Dorsey, M. L.	Robinson, 402 S. Franklin St.	Crawford	1	280		a	.....
Elting, Philip E., Estate	Macomb	McDonough	33	1,106		1	.....
Garvey, Henry, Jr.	St. Francisville	Lawrence	3	1,460		a	.....
Gee Oil Co.	Tulsa, Okla., 312 Wright Bldg.	Lawrence	16	2,713		6	.....
Gorman & Well	Sandoval	St. Clair	6	7,300		1	.....
Gumble, A. J. & Taylor, J. H.	Flat Rock	Lawrence	2	120		a	.....
Hamilton Production Co.	Lawrenceville	Lawrence	62	33,809		7	.....
Hope Oil Co.	Allendale	Wabash	6	7,780		1	.....
Karns, C. E. & Co.	Robinson	Crawford	43	2,672		3	.....
Karns & Schrecongost	Robinson	Wabash	22	4,028		3	.....
Kayser Lease	Lawrenceville	Wabash	3	1,226		a	.....
Kewanee Oil & Gas Co.	Titusville, Pa.	Clark	44	6,701		2	.....
Kewanee Oil & Gas Co.	Titusville, Pa.	Crawford	224	53,444		4	.....
Kewanee Oil & Gas Co.	Titusville, Pa.	Lawrence	43	14,542		4	.....
Kraft, C. H. & Co.	Oblong	Cumberland	5	770		1	.....
Leighty Oil Co.	Tulsa, Okla., 312 Wright Bldg.	Lawrence	10	2,998		4	.....
Liberty Oil & Gas Co.	Warren, Pa., 343 Pa Ave. W.	Crawford	32	7,053		2	.....
Lindsey & Samuel	Robinson	Wabash	9	4,023		1	.....
Lord, Henry C.	Robinson, Box 231	Crawford	10	1,247	8,300	1	.....
Mahutska Oil Co.	Robinson	Crawford	271	49,825		30	.....
Mahutska Oil Co.	Robinson	Clark	8	3,806		1	.....
Mahutska Oil Co.	Robinson	Wabash	9	3,221		1	.....
Mason, Mary L., et. al.	Almira, N. Y., 150 Lake st.	Lawrence	19	13,452		2	.....
Max Oil Co.	Allendale	Wabash	8	7,395		1	.....
Mayhugh, et. al., H. A. Fox, atty.	Robinson	Crawford	12	12,472		1	.....
McCandlers, Alex.	St. Louis, Mo., 704 Shell Bldg.	Clark	3	1,225		1	.....
McBride, W. C., Inc.	St. Louis, Mo., 704 Shell Bldg.	Crawford	53	9,261		4	.....
McBride, W. C., Inc.	St. Louis, Mo., 704 Shell Bldg.	Wabash	43	15,386		3	.....
McBride, W. C., Inc.	Robinson	Crawford	11	6,986		1	.....
Meserve Oil Co.	Ava	Jackson	3	1,849		1	.....
Mid Egypt Gas & Oil Co.	Lawrenceville	Wabash	14	20,213		3	.....
Mordia Brown Higgins Lease	Centralia, 531 S. Elm St.	Marion	1	305		a	.....
M. M. & T. T. Co., Geo. M. Timberlake	Parksburg, West Virginia, 402 Avery St	Crawford	18	5,692		2	.....
New York Petroleum Co.	Tulsa, Okla., Box 1328	Crawford	10	2,956	100	1	.....
Nolan & Lamberton	Cleveland, O., 1404 E. 9th St.	Crawford	9	3,472		1	.....
Northern Oil Co.	Cleveland, O., 1404 E. 9th St.	Clark	35	6,172		3	.....
Northern Oil Co.	Findlay, O., 539 S. Main St.	Clark	16	3,264		1	.....
Ohio Oil Co.	Findlay, O., 539 S. Main St.	Clark	791	184,489	53,899	a	.....
Ohio Oil Co.	Clinton	Clinton	109	27,769		a	.....

Ohio Oil Co.	Findlay, O., 539 S. Main St.	Crawford.	3,991	862,124	359,896	a
Ohio Oil Co.	Findlay, O., 539 S. Main St.	Cumberland	574	100,731	250,268	a
Ohio Oil Co.	Findlay, O., 539 S. Main St.	Hancock	5	355		a
Ohio Oil Co.	Findlay, O., 539 S. Main St.	Lawrence	2,730	1,503,067	650,431	a
Ohio Oil Co.	Findlay, O., 539 S. Main St.	Marion	28	13,457		a
Ohio Oil Co.	Findlay, O., 539 S. Main St.	McDonough	281	30,059		a
Ohio Oil Co.	Findlay, O., 539 S. Main St.	St. Clair	55	43,395		a
Ohio Oil Co.	Findlay, O., 539 S. Main St.	Wabash	10	5,892		a
Ohio Oil Co.	Findlay, O., 539 S. Main St.	Crawford	20	3,802		2
Pease, James, %Duncan Healy & Lee	Chicago, Ill., 120 S. LaSalle	Lawrence	19	12,500		1
Pemberton Oil & Gas Co.	St. Louis, Mo., Security Bldg.	Marion	28	9,945		2
Petro Oil & Gas Co.	Tulsa, Okla., 809 Kennedy Bldg.	Crawford	58	28,102		8
Sedby Cislter Producing Co.	St. Louis, Mo., 704 Shell Bldg.	Crawford	4	2,730		1
Silurian Oil Co.	St. Louis, Mo., 704 Shell Bldg.	Lawrence	139	102,284		17
Smith, John T.	Robinson	Clark	4	2,217		1
Smith, John T.	Robinson	Crawford	4	1,674		1
Southern Oil Co.	Pittsburg, Pa., 1005 Farmers Bank	Clark	18	5,795		1
Southwestern Oil & Gas Co.	Sandoval	Marion	28	18,250		5
Steele & Steele	Robinson, Ill., Box 232	Crawford	4	327		1
Stohr, Al.	Casey, 209 E. Main St.	Clark	22	1,442	70	1
Sugar Loaf Oil Co.	Dupo	St. Clair	5	3,100		1
Tracey Oil Co.	Mt. Carmel	Wabash	3	2,814		2
Treat & Hayes Oil Co.	Pittsburg, Pa., 1606 Union Bk. Bldg.	Lawrence	9	5,271		1
Trenton Rock Oil & Gas Co.	Casey, R. R. No. 3	Clark	39	14,250		3
Turner Oil Co.	Casey	Crawford	22	964		1
Turner, Myer & Ellis	Casey	Clark	3	953		1
Wabash Oil Co.	Allendale	Clark	3	953		1
Warner Caldwell Oil Co.	Titusville, Pa., 2nd Nat'l Bk. Bldg.	Wabash	4	2,491		1
Webster Drilling Co.	Centralia, 312 N. Locust St.	Crawford	48	6,869		2
Whiteside, J. H. & Co.	Allendale	Marion	4	1,450		a
Wireback Oil Co., B. F. & Fannie	Vincennes, Ind., 1224 N. 9th St.	Wabash	3	5,475		1
Wiser Oil Co.	Sisterville, West Virginia	McDonough	11	2,580		1
Wiser Oil Co.	Sisterville, West Virginia	Lawrence	21	4,811		1
Wiser Oil Co.	Sisterville, West Virginia	Crawford	14	2,900		1
Total			12,216	3,865,253	1,365,347	b 1,040

a Not reported.

b Includes 722 employees Ohio Oil Co. not distributed by counties.

TABLE 3—SAND AND GRAVEL

Name of Operator	Location of Plant		Production in tons	Number employed	Days worked	Explosives Used	
	Postoffice	County				Powder—Kegs	Dynamite—Pounds
Ales, Paul, Inc.	Lockport	Will.	900,000	15	220		
Anderson Sand & Gravel Co.	Rockford	Winnebago	52,293	8	125		
Anderson Theobald Co.	Lawrenceville	Lawrence	67,934	10	229		
Ashford Bros.	Byron	Ogle	12,000	2	a		
Atwood Davis Sand Co.	South Beloit	Winnebago	86,834	4	100		
Aurora Gravel Co.	Aurora	Kane	6,157	2	a		
Bean & Masters	Golconda	Pope	15,450	8	125		
Beder, Woods & Sons	Moline	Rock Island	14,272	5	50		
Bloomington Township	Bloomington	DuPage	8,400	4	170		
Byram, Stanley F.	Freeport	Stephenson	13,440	2	74		225
Catlow, J. H. Co.	Barrington	McHenry	16,682	5	55		
Chicago Gravel Co.	Spaulding	Cook	387,729	10	78		
Chicago Gravel Co.	Joliet	Will.	293,176	12	105		
Chicago Gravel Co.	Plainfield	Will.	223,271	8	72		
Churchill Gravel Co.	Fairbury	Livingston	35,000	6	120		
Conkey & Co.	Aurora	Kane	214,938	30	170		
Consumers Co.	Oregon	Kane	49,416	11	113		
Coogan Gravel Co.	South Beloit	Winnebago	460,880	16	153		
Davis, S. S.	Chillicothe	Peoria	134,269	15	250		
Decatur Hydraulic Sand & Gravel Co.	Rock Island	Rock Island	731	3	14		
Dipper Bros.	Decatur	Macon	18,150	4	275		
East Peoria Sand & Gravel Co.	East Peoria	Macon	3,185	2	225		
Eastwood, R. H., Sand & Gravel Co.	Grayville	Tazewell	33,447	6	300		
Ensweiler, F. & Son	Galena	White	25,000	8	150		
Gaines, E. C.	Elizabethtown	Jo Daviess	468	6	30		
Galesburg Sand & Gravel Co.	Buda	Hardin	750	2	a		
Garden Plains Township	Fulton	Bureau	63,635	5	200		100
Glass, Edward B.	Belvidere	Whiteside	3,500	1	200		
Graham, W. H.	Gladstone	Boone	1,769	2	116		
Gray, R. J.	Lawrenceville	Henderson	800	2	300		
Halliday Sand Co.	Cairo	Lawrence	4,686	3	300		
Hamilton Washed Sand & Gravel Co.	Warsaw	Alexander	47,642	20	200		
Hibberd, Geo. & Sons	Peoria	Hancock	14	3	14		
H. P. B. Sand & Gravel Co.	Rockford	Peoria	450	2	160		
Illinois Sand & Gravel Co.	Oswego	Winnebago	3,261	5	a		
International Silica Co.	Theses	Kendall	275,899	12	109		
Iroquois Sand & Gravel Co.	Clifton	Alexander	62	2	a		
		Kankakee	5,500	4	90		

Joliet Gravel Co.	Millsdale	Will	84,021	15	160
Keokuk Sand Co.	Quincy	Adams	26,572	4	250
Kralin, Albert H.	Dundee	Kane	1,000	2	35
Krumpholt Bros.	Barrington	Kane	3,661	2	53
Lake Sand Corporation	Chicago	Cook	134,094	28	90
Larson, J. P.	Wyanet	Bureau	5,000	7	140
Lehigh Stone Co.	Moronts	Putnam	75,500	3	108
Lincoln Sand & Gravel Co.	Lincoln	Logan	278,881	37	243
Lind Bros.	Joliet	Will	750	1	25
Lowe Bros.	Cary	McHenry	15,000	2	250
Lutz, Chas. D.	Mulberry Grove	Bond	2,000	3	80
Lutz, Chas. D.	Mulberry Grove	Fayette	2,000	3	80
Mahoney Sand & Gravel Co.	Pekin	Tazewell	30,000	2	200
Maxwell, Ed.	Decatur	Macon	11,250	3	120
McGrath Sand & Gravel Co.	Chillicothe	Peoria	501,510	30	275
McGrath Sand & Gravel Co.	Forreston	Ogle	108,520	20	200
McGrath Sand & Gravel Co.	Mackinaw	Tazewell	30,260	6	100
McGrath Sand & Gravel Co.	Pekin	Tazewell	175,100	25	275
McKinney Bros.	Vandalia	Fayette	1,660	5	120
Milan Sand & Gravel Co.	Silvis	Rock Island	11,572	3	269
Miller Investment Co.	Greenville	Bond	25,000	5	200
Mississippi Lime & Material Co.	Alton	Madison	106,000	5	230
Moline Consumers Co.	Moline	Rock Island	72,623	8	200
Morton Sand & Gravel Co.	Ottawa	LaSalle	85,588	4	200
Morton Sand & Gravel Co.	Forreston	Ogle	143,200	15	200
Moulton, Mrs. Ida C.	Munger	DuPage	204,000	16	152
Munz Conrad, Jr.	Franklin Grove	Lee	313	1	50
Mt. Carmel Sand & Gravel Co.	Mt. Carmel	Wabash	75,000	10	225
Neal Gravel Co.	Fairbury	Livingston	1,000	4	10
Nicholson, J. C.	Palestine	Crawford	684	8	30
Nicholson, J. C.	Tonica	LaSalle	2,166	3	30
Nicol Sand Co.	Greenville	Bond	2,850	3	75
Novaculite Paving Co.	Tamm	Alexander	44,590	25	85
Overlander, Chris. E.	Moline	Rock Island	2,000	4	60
Olson, Henry	Zion	Lake	27,800	3	179
Peterson, Wm. & Son.	Greenville	Bond	5,500	8	200
Platt, J. A.	Quincy	Adams	450	1	40
Purity Molding Sand Co.	Dallas City	Henderson	5,000	5	150
Quincy Sand Co.	Quincy	Adams	28,800	3	200
Ritzert, W. H.	Naperville	DuPage	25,000	6	200
Rockford Township	Rockford	Winnebago	36,571	10	170
Rock Island Sand & Gravel Co.	Rock Island	Rock Island	70,000	10	200
Rockton Molding Sand Co.	Rockton	Winnebago	1,650	1	20
Schneider Gravel Pit	Elgin	Kane	15,600	5	133
Service Sand & Gravel Co.	Rockford	Winnebago	50,000	5	230
Sheridan Sand & Gravel Co.	Sheridan	LaSalle	76,000	10	260
South Elgin Sand & Gravel Co.	Elgin	Kane	99,000	10	125
Spicer Gravel Co.	Marsilles	LaSalle	11,635	5	250

TABLE 3—Concluded

Name of Operator	Location of Plant		Production in tons	Number employed	Days worked	Explosives Used	
	Postoffice	County				Powder— Kegs	Dynamite —Pounds
Springfield, Pekin Sand & Gravel Co.	Pekin	Tazewell	232,206	12	249		
Standard Building Materials Co.	East St. Louis	St. Clair	167,914	11	250		
Stever, S. R.	Pecora	Peoria	3,600	1	200		
Stocker Gravel & Construction Co.	Highland	Madison	9,847	2	300		
Superior Material Co.	Lisle	DuPage	15,000	5	120		
Terry & Lewis Sand & Gravel Co.	Gladstone	Henderson	1,800	3	90		
Wabash Sand & Gravel Co.	Manne	White	12,740	8	140		
Warren Sand Co.	Mulberry	Rond	900	a	a		6,000
Western Indiana Gravel Co.	Metropolis	Massac	33,635	9	165		
Western Sand & Gravel Co.	Spring Valley	Bureau	64,000	9	130		
Western Sand & Gravel Co.	Moronts	Putnam	11,000	7	130		
Wisconsin Lime & Cement Co.	Crystal Lake	McHenry	619,413	25	182		
Woodstock Sand & Gravel Co.	Woodstock	McHenry	5,439	2	a		
Youtree, Roberts, Sand Co.	Chester	Randolph	58,000	6	a		
Total			7,433,071	759	138	167	7,025

a Not reported.

TABLE 4—SHALE AND CLAY

Name of Operator	Location of Plant		Production in tons	Number employed	Days worked	Explosives Used	
	Postoffice	County				Powder—Kegs	Dynamite—Pounds
Albion Brick Co., No. 1	Albion	Edwards	20,768	3	180		5,000
Albion Brick Co., No. 2	Albion	Edwards	16,930	8	130		5,700
Alton Brick Co.	Alton	Madison	31,509	9	162	1,500	675
Argilla Clay Works	Edwardsville	Madison	22,897	4	167	700	450
Bach Brick Co.	Carbon Cliff	Rock Island	10,000	2	100		
Baird Bros.	Chicago	Cook	80,460	5	145		
Belleville Brick Co.	Calhoun	McDonough	7,104	8	150		10,000
Burke Alexander Sons	Belleville	St. Clair	9,522	2	120		
Campbell Hill Brick Co.	Cairo	Cook	1,400	4	90		
Campus Brick & Tile Works	Campus	Jackson	6,000	8	200		
Carey Brick Co.	Chicago	Livingston	1,440	1	24		
Carlville Tile Co.	Carlville	Cook	11,000	8	18		
Chicago Brick & Tile Factory	Chatsworth	Macoupin	1,200	2	180		
Chicago Refrort & Fire Brick Co.	Riverdale	Cook	14,975	3	60		
Damhorst, Wm. S.	Ottawa	LaSalle	22,634	5	23	214	392
Danville Brick Co.	Quincy	Adams	2,400	2	100		
Decatur Brick Mfg. Co.	Danville	Vermilion	15,000	4	85	4	
Eastern Illinois Clay Co.	St. Anne	Sangamon	12,000	2	100		
Ford Brick & Tile Co.	Harrisburg	Kankakee	12,000	3	60		350
Fox River Clay Works	Dayton	LaSalle	10,000	4	120		500
Frederick Brick & Tile Works	Frederick	Schuyler	10,000	3	90		100
Herrick Clay Mfg. Co.	Putawa	LaSalle	8,510	7	250		550
Hill Brick Co.	E. St. Louis	St. Clair	30,042	3	201		4,000
Hull & Catalfon	Cambridge	Henry	1,350	2	110		
Hydraulic Press Brick Co.	Aledo	Mercer	13,500	140	140		
Hydraulic Press Brick Co.	Spaulding	Marshall	19,890	15	150		16,000
Hydraulic Press Brick Co.	Edgmont Station	St. Clair	1,335	6	40		1,000
Illinois Clay Products Co.	Morris	Grundy	48,394	6	208		9,000
International Silica Co.	Thibes	Alexander	42	2	4		
Kankakee Tile & Brick Co.	Kankakee	Kankakee	8,910	4	111		
Kloss Brick Co.	Belleville	St. Clair	4,680	2	105		
Larson, J. P.	Wyanet	Bureau	600	1	140		
Matheson & Hegler Zinc Co.	LaSalle	LaSalle	484	3	21	9	
McLaughlin Mining Co.	Aley	Scott	3,207	14	38	200	100
McLeansboro Shale Products Co.	McLeansboro	Hamilton	1,800	2	30		

TABLE 4—Concluded

Name of Operator	Location of Plant		Number employed	Days worked	Explosives Used	
	Postoffice	County			Powder—Kegs	Dynamic—Pounds
Midwest Brick Co.	Tonica	LaSalle	5	80	.....	850
Moody Bros.	Carlinville	Macoupin	1	166	.....	.....
Morton Brick & Tile Works	Morton	Tazewell	1	166	.....	.....
Mt. Olive Brick & Tile Co.	Mt. Olive	Macoupin	1	125	.....	.....
Munson Bros. & Co.	Capron	Bonne	1	125	.....	.....
Murphysboro Paving Brick Co.	Murphysboro	Jackson	3	50	2,000	.....
National Brick Co.	Chicago	LaSalle	7	60	.....	.....
National Fireproofing Co.	Chicago	LaSalle	3	75	.....	.....
National Fireproofing Co.	Ottawa	LaSalle	3	24	.....	.....
National Fireproofing Co.	Ottawa	LaSalle	24	24	.....	.....
Northwestern Clay Mfg. Co.	New Windsor	Mercer	a	45	.....	200
Northwestern Terra Cotta Co.	Cochester	McDonough	20	121	.....	10,000
Oberchell, H. G.	Princeton	Bureau	2	90	.....	.....
Olive Branch Mineral Products Co.	Olive Branch	Alexander	4	168	.....	2,200
Peoria Brick & Tile Co.	East Peoria	Tazewell	3	100	.....	2,300
Poston Springfield Brick Co.	Springfield	Sangamon	5	180	.....	1,700
Purington Paving Brick Co.	E. Galesburg	Knox	10	55	350	.....
Purington Paving Brick Co.	E. Galesburg	Knox	17	78	.....	6,265
Richards Brick Co.	Reading	Jackson	7	105	.....	.....
Shale Products Co.	Edwardsville	Madison	5	120	.....	600
Shaw, W. S. Co.	Petersburg	Menard	1	54	.....	150
Sheffield Shale Products Co.	Carrollton	Greene	2	38	.....	212
Sheffield Clay Products Co.	Sheffield	Bureau	2	38	.....	.....
Springfield Clay Products Co.	Springfield	Sangamon	3	135	.....	1,200
St. Anne Brick & Tile Co.	St. Anne	Kankakee	4	154	.....	.....
St. Anne Brick & Tile Co.	Beaverville	Irroquois	4	61	.....	.....
St. Elmo Brick & Tile Co.	St. Elmo	Fayette	3	121	.....	.....
Stoneware Pipe Co.	St. Elmo	Madison	7	100	14	350
Streator Brick Co.	Streator	LaSalle	2	118	.....	.....
Streator Clay Mfg. Co.	Streator	LaSalle	11	80	.....	6,000
Streator Drain Tile Co.	Streator	LaSalle	3	225	.....	150
Tuthill Building Material Co.	Blue Island	Cook	4	70	.....	.....
Western Brick Co., No. 1	Danville	Vermilion	19	150	.....	4,000
Western Brick Co., No. 3	Danville	Vermilion	12	115	.....	4,000
Whitacre Fireproofing Co.	Chicago Heights	Cook	3	15	.....	.....
White Hall Sewer Pipe & Stoneware Co.	White Hall	Greene	14	100	.....	1,500
Total	.....	.....	352	107	4,991	97,379
						1,013,074

a Not reported.

TABLE 5—SILICA

Name of Operator	Location of Plant		Production in tons	Number employed	Days worked	Explosives Used	
	Postoffice	County				Powder— Kegs	Dynamite —Pounds
International Silica Co.	Elco	Alexander	3,579	15	200	250	4,900
Mamto Chemical Co.	Mamto	Mason	5,000	7	150		
Miller & Allen	Elco	Alexander	5,000	3	200		2,500
Olive Branch Mineral Products Co.	Olive Branch	Alexander	1,127	2	188		
Ottawa Silica Co.	Ottawa	LaSalle	529,148	16	256		123,300
Sinclair Refining Co.	Olmstead	Pulaski	25,010	4	330		
South Ottawa Silica Co.	Ottawa	LaSalle	28,000	a			4,000
Standard Oil Co.	Olmstead	Pulaski	11,733	a	263		
Standard Silica Co.	Ottawa	LaSalle	3,331		68		8,550
Standard Silica Co.	Ottawa	LaSalle	101,824	8	145		30,216
Wedron Silica Co.	Wedron	LaSalle	131,293	13	250		10,000
Western Fire Brick Co.	Elco	Alexander	273	4	8		150
Total			845,318	76	172	250	183,616

a Not reported.

TABLE 6—LIMESTONE

County	Number of—		Production— tons	Number of em- ployees	Average days worked	Explosives used	
	Oper- ators	Plants				Powder— kegs	Dynamite —pounds
Adams.....	3	4	57,548	23	206		20,760
Bond.....	1	1	878	8	18		200
Clark.....	1	1	9,000	4	96		6,000
Cook.....	7	10	2,106,826	506	178	400	b296,759
Du Page.....	1	1	165,493	39	135		44,250
Greene.....	1	1	8,194	15	225		8,000
Hancock.....	1	1	4,280	2	150		1,800
Jackson.....	1	1	239	3	55		10
Johnson.....	1	1	74,000	45	268		15,000
Kankakee.....	1	1	250,500	45	131		40,500
Kendall.....	1	1	50,000	5	200		4,000
La Salle.....	4	4	1,882,908	225	230		604,297
Lee.....	2	2	223,150	30	118	200	60,600
Livingston.....	1	1	3,000	12	60		400
Madison.....	3	3	238,068	41	112		102,350
Monroe.....	4	4	181,259	43	125		80,450
Ogle.....	2	2	2,000	5	90		600
Randolph.....	1	1	52,436	750	200		12,000
Rock Island.....	1	1	35,500	10	225		8,850
St. Clair.....	3	4	659,917	124	124		301,850
Union.....	1	1	55,000	14	75		20,700
Will.....	3	3	378,200	59	142		145,400
Winnebago.....	1	1	21,000	20	170		16,000
Total.....	45	50	6,459,396	2,028	157	600	1,790,776

b 51,675 lbs. liquid oxygen used.

TABLE 7—OIL AND GAS

County	Number of—		Production		Men employed
	Operators	Wells	Oil— barrels of 42 gallons	Gas— 1,000 cu. ft.	
Bond.....	1	5		14,670	2
Clark.....	17	1,314	279,827	53,969	30
Clinton.....	1	109	27,769		(a)
Coles.....	1	13	1,167		1
Crawford.....	30	6,250	1,408,346	374,796	184
Cumberland.....	4	649	106,433	250,268	4
Hancock.....	1	5	355		(a)
Jackson.....	1	14	859	20,213	3
Lawrence.....	16	3,185	1,758,537	650,431	54
Marion.....	5	106	48,794		9
McDonough.....	3	325	33,745		2
St. Clair.....	3	66	53,795		2
Wabash.....	26	175	145,626	1,000	27
Total.....	77	12,216	3,865,253	1,365,347	(b)1,040

(a) Not reported.

(b) Includes 722 employees not distributed by counties.

TABLE 8—SAND AND GRAVEL

County	Number of—		Production— tons	Number of em- ployees	Average days worked	Explosives used	
	Oper- ators	Plants				Powder— kegs	Dynamite —pounds
Adams.....	3	3	55,822	8	163		
Alexander.....	3	3	92,294	47	143	167	625
Bond.....	5	5	36,250	19	139		
Boone.....	1	1	1,769	2	116		
Bureau.....	3	3	132,635	21	157		100
Cook.....	2	2	521,823	38	84		
Crawford.....	1	1	684	8	30		
Du Page.....	4	4	252,400	31	148		
Fayette.....	2	2	3,660	8	100		
Hancock.....	1	1	220	3	14		
Hardin.....	1	1	750	2	(a)		
Henderson.....	3	3	7,600	10	87		
Jo Davies.....	1	1	468	6	30		
Kane.....	6	6	340,356	51	107		
Kankakee.....	1	1	5,500	4	90		
Kendall.....	1	1	275,899	12	109		
Lake.....	1	1	27,800	3	179		
La Salle.....	4	4	175,389	22	185		
Lawrence.....	2	2	72,620	13	265		
Lee.....	1	1	313	1	50		
Livingston.....	2	2	36,000	10	65		
Logan.....	1	1	278,881	37	243		
Macon.....	3	3	32,585	9	207		75
Madison.....	2	2	115,847	7	265		
Massac.....	1	1	33,635	9	165		6,000
McHenry.....	4	4	656,534	34	162		
Ogle.....	4	4	313,136	48	171		
Peoria.....	4	4	639,829	48	221		
Pope.....	1	1	15,450	8	125		
Putnam.....	2	2	86,500	10	119		
Randolph.....	1	1	58,000	6	(a)		
Rock Island.....	6	6	171,198	33	132		
St. Clair.....	1	1	167,914	11	250		
Stephenson.....	1	1	13,440	2	74		225
Tazewell.....	4	5	501,013	51	225		
Wabash.....	1	1	75,000	10	225		
White.....	2	2	37,740	16	145		
Whiteside.....	1	1	3,500	1	200		
Will.....	4	5	1,501,218	51	116		
Winnebago.....	7	7	691,399	49	133		
Total.....	91	100	7,433,071	759	138	167	7,025

(a) Not reported.

TABLE 9—SHALE AND CLAY

County	Number of—		Production— tons	Number of em- ployees	Average days worked	Explosives used	
	Oper- ators	Plants				Powder— kegs	Dynamite —pounds
Adams.....	1	1	2,400	2	100		
Alexander.....	2	2	3,074	6	86		2,200
Boone.....	1	1	1,200	1	125		
Bureau.....	3	3	3,400	5	90		
Cook.....	7	7	164,367	37	60		
Edwards.....	1	2	37,698	11	155		10,700
Fayette.....	1	1	87,120	3	121		900
Greene.....	2	2	15,434	16	77		1,712
Grundy.....	1	1	48,394	6	208		9,000
Hamilton.....	1	1	1,800	2	30		
Henry.....	1	1	1,350	2	110		
Iroquois.....	1	1	3,115	4	61		
Jackson.....	2	2	21,000	11	125	2,000	
Kankakee.....	3	3	42,756	11	98		
Knox.....	1	1	35,007	10	55	350	985
La Salle.....	8	9	101,347	34	113	223	2,442
Livinston.....	4	4	45,337	22	60		12,265
Macoupin.....	3	3	2,904	4	157		
Madison.....	3	4	66,018	25	156	2,214	2,075
Marshall.....	1	1	19,890	15	150		16,000
McDonough.....	2	2	23,204	28	135		20,000
Menard.....	1	1	3,436	1	120		150
Mercer.....	2	2	16,163	(a)	92		200
Rock Island.....	1	1	10,000	2	100		
Saline.....	1	1	1,500	15	52		350
Sangamon.....	3	3	56,424	10	137	4	2,900
Schuyler.....	1	1	10,000	3	90		100
Scott.....	1	1	3,207	14	38	200	100
St. Clair.....	4	4	45,579	13	116		5,000
Tazewell.....	2	2	18,200	4	130		2,300
Vermilion.....	2	3	121,750	35	138		8,000
Total.....	65	71	1,013,074	352	107	4,991	97,379

(a) Not reported.

TABLE 10—SILICA

County	Number of—		Production— tons	Number of em- ployees	Average days worked	Explosives used	
	Oper- ators	Plants				Powder— kegs	Dynamite —pounds
Alexander.....	4	4	9,979	24	204	250	7,550
La Salle.....	4	5	793,596	41	180		176,066
Mason.....	1	1	5,000	7	150		
Pulaski.....	2	2	36,743	4	297		
Total.....	11	12	845,318	76	172	250	183,616

TABLE 11—SUMMARY OF TABLES 6, 7, 8, 9 AND 10

	Number of—			Production	Number employed	Average days worked	Explosives used			Accidents	
	Counties	Operation	Plants				Powder kegs	Dynamite pounds	Liquid oxygen pounds	Fatal	Non-fatal
Limestone.....	23	45	50	(a) 6,459,396	2,028	157	600	1,790,776	51,675	2	42
Oil and gas.....	13	77	12,216	(b) 3,865,253	1,040						15
				(c) 1,365,347							
Sand and gravel	40	91	100	(a) 7,433,071	759	138		7,025		1	12
Shale and clay	31	65	71	(a) 1,013,074	352	107	4,991	97,379		3	5
Silica.....	4	11	12	(a) 845,318	76	172	250	183,616			3
Total.....	111	330	12,449	(a) 15,750,879	4,255	134	5,841	2,078,796	51,675	6	77
				(b) 3,865,253							
				(c) 1,365,347							

(a) Tons. (b) Barrels. (c) Cubic feet of gas.

TABLE 12—NUMBER OF OPERATORS, PLANTS, EMPLOYEES AND

County	Limestone					Oil and gas				
	Operators	Plants	Production— tons	Employees	Average days worked	Operators	Wells	Production		Employees
								Oil— barrels	Gas— 1,000 cu. ft.	
Adams.....	3	4	57,548	23	206					
Alexander.....										
Bond.....	1	1	878	8	18	1	5		14,670	2
Boone.....										
Bureau.....										
Clark.....	1	1	9,000	4	96	17	1,314	279,827	53,969	30
Clinton.....						1	109	27,769		
Coles.....						1	13	1,167		1
Cook.....	7	10	2,106,826	506	178					
Crawford.....						30	6,250	1,408,346	374,796	184
Cumberland.....						4	649	106,433	250,268	4
Du Page.....	1	1	165,493	39	135					
Edwards.....										
Fayette.....										
Greene.....	1	1	8,194	15	225					
Grundy.....										
Hamilton.....										
Hancock.....	1	1	4,280	2	150	1	5	355		
Hardin.....										
Henderson.....										
Henry.....										
Iroquois.....										
Jackson.....	1	1	239	3	55	1	14	859	20,213	3
Jo Daviess.....										
Johnson.....	1	1	74,000	45	268					
Kane.....										
Kankakee.....	1	1	250,500	45	131					
Kendall.....	1	1	50,000	5	200					
Knox.....										
Lake.....										
La Salle.....	4	4	1,882,908	225	230					
Lawrence.....						16	3,185	1,758,537	650,431	54
Lee.....	2	2	223,150	30	118					
Livingston.....	1	1	3,000	12	60					
Logan.....										
McDonough.....						3	325	33,745		2
McHenry.....										
Macon.....										
Macoupin.....										
Madison.....	3	3	238,068	41	112					
Marion.....						5	106	48,794		9
Marshall.....										
Mason.....										
Massac.....										
Menard.....										
Mercer.....										
Monroe.....	4	4	181,259	43	125					
Ogle.....	2	2	2,000	5	90					
Peoria.....										
Pope.....										
Pulaski.....										
Putnam.....										
Randolph.....	1	1	52,436	750	200					
Rock Island.....	1	1	35,500	10	225					
Saline.....										
Sangamon.....										
Schuyler.....										
Scott.....										
St. Clair.....	3	4	659,917	124	124	3	66	53,795		2
Stephenson.....										
Tazewell.....										
Union.....	1	1	55,000	14	75					
Vermilion.....										
Wabash.....						26	175	145,626	1,000	27
White.....										
Whiteside.....										
Will.....	3	3	378,200	59	142					
Winnebago.....	1	1	21,000	20	170					
Total.....	45	50	6,459,396	2,028	157	77	12,216	3,865,253	1,365,347	(b) 1,040

(a) Not reported.

(b) Includes 722 employes not distributed by counties.

AVERAGE DAYS WORKED IN DIFFERENT INDUSTRIES BY COUNTIES

Sand and gravel					Shale and clay					Silica				
Operators	Plants	Production in tons	Employees	Average days worked	Operators	Plants	Production in tons	Employees	Average days worked	Operators	Plants	Production in tons	Employees	Average days worked
3	3	55,822	8	163	1	1	2,400	2	100					
5	3	92,294	47	143	2	2	3,074	6	86	4	4	9,979	24	204
1	5	36,250	19	139										
1	1	1,769	2	116	1	1	1,200	1	125					
3	3	132,635	21	157	3	3	3,400	5	90					
2	2	521,823	38	84	7	7	164,367	37	60					
1	1	684	8	30										
4	4	252,400	31	148										
2	2	3,660	8	100	1	2	37,698	11	155					
					1	1	87,120	3	121					
					2	2	15,434	16	77					
					1	1	48,394	6	208					
1	1	220	3	14	1	1	1,800	2	30					
1	1	750	2	(a)										
3	3	7,600	10	87										
					1	1	1,350	2	110					
					1	1	3,115	4	61					
					2	2	21,000	11	125					
1	1	468	6	30										
6	6	340,356	51	107										
1	1	5,500	4	90	3	3	42,756	11	98					
1	1	275,899	12	109										
1	1	27,800	3	179	1	1	35,007	10	55					
4	4	175,389	22	185	8	9	101,347	34	113	4	5	793,596	41	180
2	2	72,620	13	265										
1	1	313	1	50										
2	2	36,000	10	65	4	4	45,337	22	60					
1	1	278,881	37	243										
					2	2	23,204	28	135					
4	4	656,534	34	162										
3	3	32,585	9	207	3	3	2,904	4	157					
					3	4	66,018	25	156					
2	2	115,847	7	265										
					1	1	19,890	15	150					
1	1	33,635	9	165						1	1	5,000	7	150
					1	1	3,436	1	120					
					2	2	16,163	(a)	92					
4	4	313,136	48	171										
4	4	639,829	48	221										
1	1	15,450	8	125										
										2	2	36,743	4	297
2	2	86,500	10	119										
1	1	58,000	6											
6	6	171,198	33	132	1	1	10,000	2	100					
					1	1	1,500	15	52					
					3	3	56,424	10	137					
					1	1	10,000	3	90					
					1	1	3,207	14	38					
1	1	167,914	11	250	4	4	45,579	13	116					
1	1	13,440	2	74										
4	5	501,013	51	225	2	2	18,200	4	130					
					2	3	121,750	35	138					
1	1	75,000	10	225										
2	2	37,740	16	145										
1	1	3,500	1	200										
4	5	1,501,218	51	116										
7	7	691,399	49	133										
91	100	7,433,071	759	138	65	71	1,013,074	352	107	11	12	845,318	76	172

TABLE 13—FATAL ACCIDENTS

Date	Name	Age	Name of operator	Industry	Cause of death
May 15	Joe H. Ickes.....	55	Galesburg Sand and Gravel Co.	Sand and gravel	Blood poison from wire scratch.
June 24	F. Longhelt, Sr....	74	Western Quarries Company...	Limestone.....	Heart failure. Working in intense heat.
Aug. 6	John Vignali.....	30	Lehigh Stone Company.....	Limestone....	Electrocuted
Nov. 20	Hanley Johnson....	38	Western Brick Company.....	Shale and clay.	Fall of rock
Nov. 20	John Seely.....	33	Western Brick Company.....	Shale and clay.	Fall of rock
Nov. 20	Harry Siders.....	35	Western Brick Company.....	Shale and clay.	Fall of rock

TABLE 14—NON-FATAL ACCIDENTS

Name of operator	Industry	Number injured	Time lost not reported	Time lost	
				Total days	Average days
Alpha Portland Cement Co.....	Limestone.....	1	1		
Anna Stone Co.....	Limestone.....	6	1	101	20
Bach Brick Co.....	Shale and clay..	1		2	2
Casper Stolle Quarry and Contracting Co....	Limestone.....	8		133	17
Conkey, H. D., Co.....	Sand and gravel.	2	1	2	2
Dolese and Shepard Co.....	Limestone.....	1		12	12
Marblehead Lime Co.....	Limestone.....	2	1	1	1
Marquette Cement Mfg. Co.....	Limestone.....	2		154	77
McGrath Sand and Gravel Co.....	Sand and gravel.	8		155	19
National Fireproofing Corp.....	Shale and clay..	1	1		
National Stone Co.....	Limestone.....	2		14	7
Northwestern Clay Mfg. Co.....	Shale and clay..	2		14	7
Ohio Oil Co.....	Oil and gas.....	15		319	21
Purity Moulding Sand Co.....	Sand and gravel.	1		24	24
Standard Silica Co.....	Silica.....	3		59	20
Western Brick Co.....	Shale and clay..	1	1		
Western Quarries Co.....	Limestone.....	20	6	271	19
Western Sand and Gravel Co.....	Sand and gravel.	1		40	40
Total.....		77	12	1,301	20

REPORT OF METAL MINES INSPECTOR

EDWARD S. SMITH, INSPECTOR

The following tables show the activities of the Metal Mines under the jurisdiction of the Fluorspar Inspection Division:

TABLE 1—NAME OF OPERATOR, LOCATION OF MINE, DEPTH OF SHAFT, USE OF PRODUCT, AND METHOD OF MINING

Name of operator	Location of mine		Depth of shaft in feet	Product used for	Hoisting	Mining
	Postoffice	County				Hand, machine, both
Rosiclare Lead & Fluorspar Mining Co.....	Rosiclare.....	Hardin....	600	Manufacture of steel, glass, enamelware and hydrofluoric acid.....	Electric.....	Machine
Hillside Fluorspar Mines.....	Rosiclare.....	Hardin....	550	Flux.....	Electric.....	Hand
Victory Fluorspar Mining Co.....	Elizabethtown.....	Hardin....	(a) Steel flux.....	(a) Steel flux.....	Steam.....	Machine
Benzon Fluorspar Co.....	Cave-in-Rock.....	Hardin....	Dirt.....	Gravel spar, steel flux, acid spar, hydrofluoric acid, lump spar, foundry.....	(a) Steam.....	Both
Knight, Knight & Clark.....	Rosiclare.....	Hardin....	120	Steel manufacture.....	Cable.....	Machine
Crystal Fluorspar Co.....	Elizabethtown.....	Hardin....	300	Metalurgical.....		

(a) Not reported.

TABLE 2—PRODUCTION AND DISPOSITION OF OUTPUT, EXPLOSIVES USED,
DAYS WORKED AND NUMBER INJURED

Name of operator	Production, tons		Shipped to			Pounds of dynamite used	Em- ployees		Days worked	Number injured
	Fluorspar	Lead	Points in Illinois	Other states	Foreign countries		Underground	On surface		
Rosiclare Lead & Fluorspar Mining Co....	15,059	54	699	10,017	19	32,000	80	80	100	3
Hillside Fluorspar Mines.....	8,188	235	377	7,222	...	8,550	26	27	217	4
Victory Fluorspar Mining Co.....	4,741	...	...	4,172	...	(a)	20	18	64	3
Benzon Fluorspar Co.....	4,176	...	...	3,352	...	10,100	31	49	95	2
Knight, Knight & Clark.....	1,600	...	956	956	...	2,000	6	4	60	..
Crystal Fluorspar Co.....	900	...	...	900	...	300	6	6	200	..
Total.....	34,664	289	2,032	26,619	19	52,950	169	184	123	12

(a) Not reported.

REPORT OF STATE MINING BOARD

During the year the State Mining Board held examinations in January, April, July, September and October for the purpose of examining applicants as to their qualifications for mine manager, hoisting engineer, and mine examiner. An examination was held in September, also, for State Inspector of Mines. The result of these examinations will be seen in the following list:

STATE INSPECTOR OF MINES

Name	Post Office	County	Age	Birthplace	Date of certificate	Number of certificate
Sidney Smith.....	Staunton.....	Macoupin.....	37	England...	Sept. 11...	153
Martin Duddy.....	Nokomis.....	Montgomery...	55	England...	Sept. 11...	154

MINE MANAGERS—FIRST CLASS

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Anderson, Lloyd.....	Taylorville.....	Christian.....	37	Illinois.....	Aug. 1	1520
Blyth, Harry.....	Gillespie.....	Macoupin.....	33	Colorado.....	Aug. 1	1495
Campbell, Al.....	Taylorville.....	Christian.....	40	Scotland.....	Aug. 1	1499
Cheney, Lyman.....	Taylorville.....	Christian.....	36	Illinois.....	Aug. 1	1500
Clayton, James.....	O'Fallon.....	St. Clair.....	57	Illinois.....	Aug. 1	1516
Conway, Clifford C.....	Herrin.....	Williamson.....	27	Illinois.....	Nov. 2	1523
Crawford, R. E.....	Taylorville.....	Christian.....	41	Missouri.....	Aug. 1	1517
Firth, Joe, Jr.....	Benld.....	Macoupin.....	27	Kansas.....	Aug. 1	1494
Fisher, Pete.....	Gillespie.....	Macoupin.....	41	Scotland.....	April 20	1489
Fleming, Albert Alphonse.....	Kincaid.....	Christian.....	31	Ohio.....	Aug. 1	1511
Fram, John W.....	Panama.....	Montgomery.....	51	England.....	Nov. 2	1527
Ganey, William.....	Taylorville.....	Christian.....	45	Illinois.....	Aug. 1	1503
George, Alfred.....	Hanna City.....	Peoria.....	34	England.....	Jan. 23	1471
Gerhardt, William C.....	Hillsboro.....	Montgomery.....	42	Illinois.....	Aug. 1	1519
Gregor, William.....	Edwardsville.....	Madison.....	33	Austria.....	Jan. 23	1469
Guiney, Will G.....	Centralia.....	Marion.....	36	Illinois.....	April 20	1485
Hawkins, Ralph.....	Centralia.....	Marion.....	36	Illinois.....	April 20	1486
Haywood, Allen S.....	Taylorville.....	Christian.....	42	England.....	Jan. 23	1468
Houchard, Joe P.....	Gillespie.....	Macoupin.....	25	Iowa.....	Aug. 1	1496
Hurst, Sewell L.....	Herrin.....	Williamson.....	31	Oklahoma.....	Aug. 1	1515
Hutchens, Ernest.....	Gillespie.....	Macoupin.....	47	Indiana.....	April 20	1490
Jenkins, G. S.....	Herrin.....	Williamson.....	31	Washington.....	Nov. 2	1525
Jones, William S.....	Taylorville.....	Christian.....	42	Illinois.....	Aug. 1	1502
Jorn, Albert V.....	Belleville.....	St. Clair.....	37	Illinois.....	April 20	1491
Kellet, Hugh.....	Kincaid.....	Christian.....	41	Iowa.....	Aug. 1	1508
Kercheval, Basyl.....	Belleville.....	St. Clair.....	28	Missouri.....	Aug. 1	1498
Klein, Fred.....	Belleville.....	St. Clair.....	41	Germany.....	Aug. 1	1501
Kozuk, John.....	Hillsboro.....	Montgomery.....	36	Austria.....	Aug. 1	1509
Laurenti, Joe.....	Benld.....	Macoupin.....	39	Italy.....	Jan. 23	1478
Lochrane, John.....	Gillespie.....	Macoupin.....	42	Scotland.....	April 20	1488
Lockard, Arthur B.....	Taylorville.....	Christian.....	45	Kentucky.....	April 20	1493
Lokmar, Herbert.....	Benld.....	Macoupin.....	35	Illinois.....	Jan. 23	1477
Mentler, John.....	Centralia.....	Marion.....	47	Illinois.....	April 20	1482
Mercer, Hugh.....	Herrin.....	Williamson.....	47	Ireland.....	Nov. 2	1521
Mikel, Andrew.....	Westville.....	Vermilion.....	26	Illinois.....	Aug. 1	1512

MINE MANAGERS—FIRST CLASS—Concluded

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Miller, Fred A.	Herrin	Williamson	28	Illinois	Aug. 1	1514
Mislivie, John J.	Westville	Vermilion	24	Indiana	April 20	1492
Moorcroft, Thomas	Farmington	Fulton	46	England	Nov. 2	1524
Moore, Roscoe	Benton	Franklin	33	Illinois	April 20	1479
McDonald, Cressie	Harrisburg	Saline	35	Illinois	April 20	1483
Nenninger, Walter W.	Mascoutah	St. Clair	30	Illinois	April 20	1487
Oberta, Joe	Edwardsville	Madison	31	Illinois	April 20	1480
Osborne, William, Jr.	Gillespie	Macoupin	55	Scotland	Jan. 23	1473
Reed, James M.	La Salle	La Salle	58	Illinois	Nov. 2	1526
Reid, John	Chicago	Cook	52	Scotland	Aug. 1	1510
Sackville, Robert	Moline	Rock Island	58	Illinois	April 20	1481
Schooler, D. R.	Centralia	Marion	36	Missouri	Nov. 2	1522
Sharrock, David	Taylorville	Christian	36	Missouri	Aug. 1	1506
Small, Walter	Panama	Montgomery	39	Scotland	Nov. 2	1528
Stalets, Jack	Taylorville	Christian	40	Illinois	Aug. 1	1504
Stedman, William	Georgetown	Vermilion	32	Illinois	Jan. 23	1472
Stuebe, Herman C.	Danville	Vermilion	58	Illinois	Aug. 1	1513
Thomas, David	Taylorville	Christian	28	Ohio	Aug. 1	1505
Trunko, Lex	Galesburg	Knox	35	Illinois	Aug. 1	1518
Vacketta, George	Westville	Vermilion	40	Italy	Jan. 23	1475
Walker, Robert	Catlin	Vermilion	52	Illinois	Jan. 23	1476
Wanless, I. W.	Springfield	Sangamon	33	Illinois	Aug. 1	1497
Watson, William	Wilsonville	Macoupin	39	Iowa	Jan. 23	1474
Wills, Samuel J., Jr.	Taylorville	Christian	26	Illinois	Aug. 1	1507
Wise, Denver Amiel	Tovey	Christian	40	Illinois	April 20	1484
Yanker, Clyde	Taylorville	Christian	31	Illinois	Jan. 23	1470

MINE MANAGERS—SECOND CLASS

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Becker, Harry S.	Peoria	Peoria	28	Illinois	Jan. 23	782
Berkner, C. K.	Ellisville	Fulton	27	Illinois	Jan. 23	785
Bovenet, Charles E.	Keensburg	Wabash	45	Indiana	April 20	796
Brooks, James Elbert	Carbondale	Jackson	46	Illinois	Jan. 23	777
Brown, Frank	Bryant	Fulton	27	Illinois	Jan. 23	784
Buel, D. W.	Avon	Fulton	53	Illinois	April 20	794
Burnett, Roy M.	Duquoin	Perry	38	Kansas	Aug. 1	812
Carlson, Oscar E.	Galesburg	Knox	29	Sweden	Jan. 23	770
Coker, Arthur S.	Peoria	Peoria	50	Illinois	Jan. 23	764
Creek, Chester	Canton	Fulton	34	Illinois	Jan. 23	774
Davis, Everett	Canton	Fulton	39	Illinois	Jan. 23	787
Davis, R. R.	Greenfield	Greene	51	Illinois	Aug. 1	801
Davison, Aaron	Maquon	Knox	39	Illinois	Jan. 23	783
Davison, William T.	Duquoin	Perry	47	Illinois	Aug. 1	813
Eccher, Herman F.	Randall	Knox	36	Missouri	Jan. 23	771
Ellis, C. H.	Augusta	Hancock	64	Illinois	Jan. 23	773
Ellis, Troy E.	Augusta	Hancock	36	Illinois	Jan. 23	772
Ferguson, O. L.	Roodhouse	Greene	42	Illinois	Aug. 1	805
Gallaher, Ralph	Peoria	Peoria	26	Illinois	April 20	790
Gentry, Ed	Cartersville	Williamson	37	Illinois	Nov. 2	819
Gillott, Wm.	Farmington	Fulton	39	Holland	Jan. 23	775
Harrison, O. L.	Viola	Mercer	39	Missouri	April 20	789
Haynes, R. J.	Mapleton	Peoria	36	Illinois	Aug. 1	816
Hopper, Frank	Roodhouse	Greene	56	Illinois	Aug. 1	808
Hopper, Theo. G.	Roodhouse	Greene	28	Illinois	Aug. 1	807
Howard, Dennis L.	Monmouth	Warren	49	Virginia	Jan. 23	786
Israel, Elmer	Roodhouse	Greene	31	Illinois	Aug. 1	803
Kershaw, Charles	Coal Valley	Rock Island	37	Illinois	Aug. 1	806
Kingsley, Frank	Glasford	Peoria	58	Illinois	April 20	791
Kingston, George	Shelbyville	Shelby	49	Illinois	Jan. 23	767
Kopp, Fred	Athens	Menard	40	Illinois	Jan. 23	763
Lowry, Charles	Shelbyville	Shelby	52	Illinois	Jan. 23	765
Marlatt, John	Mapleton	Peoria	45	Illinois	Jan. 23	776
Martz, Frank	Shelbyville	Shelby	48	Illinois	Jan. 23	768
Miller, Harry L.	Mt. Carmel	Wabash	37	Pennsylvania	April 20	793
Miler, Herman	Peoria	Peoria	29	Illinois	Jan. 23	781

MINE MANAGERS—SECOND CLASS—Concluded

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Myers, John W.	Streator	La Salle	66	Illinois	April 20	799
Nast, Paul	Freeburg	St. Clair	42	Illinois	Aug. 1	810
Paucci, Peter	Sparland	Marshall	42	Italy	Nov. 2	817
Peterson, Marion	Carbondale	Jackson	43	Illinois	Jan. 23	780
Radford, Miles L.	Carterville	Williamson	46	Illinois	Nov. 2	818
Retchiff, Levi	Ellisville	Fulton	64	Illinois	Jan. 23	769
Rining, Russell	Frederick	Schuyler	24	Illinois	Aug. 1	811
Rockwill, Ghlee	Ipava	Fulton	25	Illinois	April 20	795
Schlueter, Carl J.	Duquoin	Perry	35	Illinois	Aug. 1	814
Sharp, John	Ridgeway	Gallatin	51	Tennessee	Aug. 1	815
Simpson, W. H.	Sparland	Marshall	43	Tennessee	Jan. 23	779
Smith, Sam	Marseilles	La Salle	43	Illinois	April 20	788
Stevenson, Sam	Sparta	Randolph	40	Illinois	April 20	792
Sutton, Thomas	Mapleton	Peoria	42	Illinois	Aug. 1	809
Tallman, A. B.	Shelbyville	Shelby	45	Illinois	Jan. 23	766
Thurlaway, John	Cherry	Bureau	49	England	Aug. 1	804
Tindall, Walter	Jackson	Carbondale	42	Illinois	Jan. 23	778
Van Matre, Dewey	Keensburg	Wabash	33	Illinois	April 20	798
Walden, H. A.	Chesterfield	Macoupin	60	Indiana	Aug. 1	802
Welshaus, H. M.	Sparta	Randolph	52	Illinois	April 20	794
Wenneborg, Walter	New Berlin	Sangamon	25	Illinois	Jan. 23	762
Wright, David G.	Verona	Grundy	46	Illinois	Aug. 1	800

MINE EXAMINERS, 1931

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Andi, Adelfo	Benld	Macoupin	35	Illinois	Jan. 23	1817
Baggott, John R.	Eldorado	Saline	37	Illinois	Aug. 1	1939
Bartley, Charles S.	Zeigler	Franklin	27	Illinois	April 20	1926
Bender, Leslie	Zeigler	Franklin	31	Illinois	April 20	1929
Bertoni, Henry	Buckner	Franklin	27	Ohio	April 20	1869
Bertorello, James	Benld	Macoupin	23	Illinois	April 20	1904
Blake, John	Danville	Vermilion	60	Illinois	April 20	1900
Blyth, Harry	Geiglespie	Macoupin	32	Colorado	Jan. 23	1830
Boscardini, John	Buckner	Franklin	28	Italy	April 20	1868
Brennan, John	Springfield	Sangamon	31	Illinois	Aug. 1	1947
Browder, J. E.	Harrisburg	Saline	29	Kentucky	April 20	1887
Brown, Carl	Eldorado	Saline	43	Kentucky	April 20	1893
Brown, George	Zeigler	Franklin	47	Pennsylvania	April 20	1920
Bryant, Joe	Benton	Franklin	46	Illinois	April 20	1902
Bude, Edward F.	Centralia	Marion	37	Illinois	Nov. 2	1979
Burnett, Thomas H.	Zeigler	Franklin	27	Arkansas	Jan. 23	1816
Cardin, Geo. Wilford	Zeigler	Franklin	27	Tennessee	April 20	1909
Chanot, August	West Frankfort	Franklin	49	Ohio	Jan. 23	1819
Childers, Charles E., Jr.	Benton	Franklin	26	Illinois	April 20	1908
Christy, Evan H.	Zeigler	Franklin	38	Bulgaria	April 20	1899
Cooley, Wm. Julius	Harrisburg	Saline	42	Illinois	April 20	1862
Cowles, William	Westville	Vermilion	43	England	April 20	1865
Cutt, Walker	Buckner	Franklin	32	England	Jan. 23	1847
Dewitt, Robt.	Benton	Franklin	26	Illinois	April 20	1861
Dobranksy, Geo. W.	Sawyer ville	Macoupin	28	Illinois	Jan. 23	1839
Doctorman, Harold O.	Christopher	Franklin	36	Indiana	April 20	1878
Dodd, Glenn	Harrisburg	Saline	32	Illinois	Aug. 1	1946
Donaldson, T. P.	Georgetown	Vermilion	56	Scotland	Aug. 1	1966
Donley, Clarence	Eldorado	Saline	38	Indiana	April 20	1901
Dove, Herbert	Harrisburg	Saline	39	Illinois	Nov. 2	1980
Drake, Herbert G.	West Frankfort	Franklin	31	Illinois	Jan. 23	1832
Dudek, Joe	Zeigler	Franklin	42	Illinois	Aug. 1	1955
Duffy, John	Springfield	Sangamon	33	Illinois	Aug. 1	1949
Dunn, James, Jr.	Benton	Franklin	30	Montana	Jan. 23	1825
Edwards, Ralph Allen	Zeigler	Franklin	36	Illinois	Jan. 23	1843
Engle, Herman	Christopher	Franklin	40	Indiana	April 20	1895
Eubanks, Frank	West Frankfort	Franklin	33	Arkansas	Jan. 23	1829
Evans, John	Westville	Vermilion	45	Iowa	Aug. 1	1961
Falkovitz, Joe	West Frankfort	Franklin	29	Pennsylvania	April 20	1877
Ferkitch, Andy	Zeigler	Franklin	33	Illinois	April 20	1922

MINE EXAMINERS, 1931—Continued

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Finley, J. S.	Harrisburg	Saline	38	Illinois	April 20	1881
Firth, Joe, Jr.	Benld	Macoupin	26	Kansas	April 20	1907
Fisher, Peter	Gillespie	Macoupin	41	Scotland	Jan. 23	1831
Ford, Charles C., Jr.	Centralia	Marion	27	Illinois	Nov. 2	1977
Forster, Thos. Wm.	Zeigler	Franklin	28	England	Jan. 23	1845
Frame, John W.	Gillespie	Macoupin	25	Illinois	April 20	1905
Fraser, Morris	Carlinville	Macoupin	31	Scotland	Jan. 23	1812
Fritts, Joseph	Middlegrove	Fulton	38	Illinois	Aug. 1	1951
Gammeter, Erwin	Zeigler	Franklin	28	Missouri	Nov. 2	1985
Giles, Russel V.	Christopher	Franklin	33	Illinois	April 20	1859
Gladders, J. W.	West Frankfort	Franklin	24	Illinois	Jan. 23	1835
Goodwin, Clifford	Harrisburg	Saline	31	Kentucky	April 20	1889
Gray, Everett	West Frankfort	Franklin	49	N. Carolina	April 20	1873
Gresiak, Roma	Harrisburg	Saline	33	Pennsylvania	April 20	1890
Griffin, Wm.	Harrisburg	Saline	57	Ohio	April 20	1884
Grisco, Dominik	Christopher	Franklin	38	Poland	Aug. 1	1956
Gzrelak, Edmond	Zeigler	Franklin	21	Pennsylvania	April 20	1910
Hackney, William	Harrisburg	Saline	33	Illinois	April 20	1882
Hall, Chas.	Zeigler	Franklin	29	Illinois	April 20	1933
Hall, Geo. T.	Zeigler	Franklin	53	Illinois	Jan. 23	1814
Hall, Harland	Zeigler	Franklin	38	Kentucky	April 20	1918
Hall, Hector	Zeigler	Franklin	31	Illinois	Jan. 23	1813
Harberlen, Charles F.	Zeigler	Franklin	23	Pennsylvania	Nov. 2	1986
Harcarik, John	Westville	Vermilion	25	Illinois	Aug. 1	1957
Harcarik, Joseph	Georgetown	Vermilion	33	Pennsylvania	Aug. 1	1959
Harris, Hela F.	Zeigler	Franklin	21	Illinois	Jan. 23	1842
Harris, James	Royalton	Franklin	64	Indiana	April 20	1892
Harris, Norman	Royalton	Franklin	32	Indiana	April 20	1897
Hawkins, Ralph	Centralia	Marion	36	Illinois	April 20	1871
Henderson, Robert	Gillespie	Macoupin	39	Ohio	Nov. 2	1984
Hible, David	Westville	Vermilion	39	Illinois	Aug. 1	1963
Hill, O. L.	Marion	Williamson	29	Illinois	Nov. 2	1982
Hill, William P.	Marion	Williamson	36	Illinois	Nov. 2	1981
Hillmeyer, Fred	Centralia	Marion	36	Illinois	April 20	1911
Holland, Brice	West Frankfort	Franklin	46	Illinois	Jan. 23	1838
Holt, Charles R.	Eldorado	Saline	39	Indiana	Aug. 1	1950
Houchard, Joe P.	Gillespie	Macoupin	24	Iowa	April 20	1906
Houston, Sam	Royalton	Franklin	44	Illinois	April 20	1891
Hughes, William	West Frankfort	Franklin	47	Wales	Jan. 23	1855
Hutchens, Ernest	Gillespie	Macoupin	47	Indiana	Jan. 23	1823
James, William H.	West Frankfort	Franklin	43	England	April 20	1866
Jankovski, John A.	West Frankfort	Franklin	40	Germany	April 20	1927
Johns, Columbus	Harrisburg	Saline	34	Alabama	Aug. 1	1943
Johnston, J. M.	Zeigler	Franklin	39	Pennsylvania	April 20	1921
Jones, Lewis B.	Herrin	Williamson	38	Illinois	April 20	1885
Jordan, Elmo	Christopher	Franklin	32	Indiana	April 20	1860
Kazuk, John H.	Hillsboro	Montgomery	35	Austria	April 20	1903
Killgrove, Frank	Zeigler	Franklin	39	Illinois	April 20	1874
Kloefer, Ben	Pana	Christian	30	Illinois	Jan. 23	1849
Kolisek, Frank	Zeigler	Franklin	24	Jugo Slavia	April 20	1856
Lee, V. R.	West Frankfort	Franklin	35	Illinois	Jan. 23	1828
Legros, Clifford	Zeigler	Franklin	24	Kansas	April 20	1870
Lenzine, Peter	Centralia	Marion	46	Italy	Nov. 2	1975
Little, Marion	West Frankfort	Franklin	30	Illinois	April 20	1879
Lochrane, John	Gillespie	Macoupin	42	Scotland	Jan. 23	1820
Lucas, Walter	West Frankfort	Franklin	24	England	Jan. 23	1834
Mabon, Andy	Zeigler	Franklin	47	England	April 20	1916
Mackenzie, Alexander	Royalton	Franklin	49	Scotland	April 20	1894
May, William	Pana	Montgomery	39	Illinois	Aug. 1	1954
Mayo, Leonard B.	Zeigler	Franklin	49	Indiana	Aug. 1	1969
Menk, Edward, Jr.	Staunton	Macoupin	44	Illinois	Aug. 1	1934
Mentler, William	Centralia	Marion	44	Illinois	Nov. 2	1974
Milven, Ed	West Frankfort	Franklin	39	Illinois	Jan. 23	1836
Mitchell, Edward	West Frankfort	Franklin	30	Illinois	Jan. 23	1827
Montgomery, Dennis	Harrisburg	Saline	32	Indiana	April 20	1857
Moore, Leonard D.	Verden	Macoupin	40	Illinois	Aug. 1	1938
Moore, Roscoe	Benton	Franklin	33	Illinois	Jan. 23	1850
Morrow, John	West Frankfort	Franklin	32	Illinois	Jan. 23	1837
Myers, Homer	Springfield	Sangamon	35	Illinois	Jan. 23	1841
McCann, Joseph	West Frankfort	Franklin	40	Pennsylvania	Jan. 23	1833
McCrary, Wilbur G.	West Frankfort	Franklin	29	Illinois	Jan. 23	1846
McGreavey, John	Christopher	Franklin	43	Iowa	April 20	1872
McMurtrie, Andrew H.	Zeigler	Franklin	31	Illinois	April 20	1928

MINE EXAMINERS, 1931—Concluded

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Nelson, Enoch	Zeigler	Franklin	38	England	April 20	1932
Nierman, Harry C.	Centralia	Marion	30	Illinois	April 20	1914
O'Connell, Thomas	Gillespie	Macoupin	40	Illinois	Nov. 2	1883
Pahuski, Bennie	Benton	Franklin	28	Pennsylvania	Jan. 23	1853
Peak, O. F.	Harrisburg	Saline	67	Kentucky	April 20	1931
Petrod, Durward	Zeigler	Franklin	28	W. Virginia	Jan. 20	1851
Petrea, Alva F.	Centralia	Marion	40	Illinois	April 20	1913
Phillips, Thomas G.	Centralia	Marion	31	Illinois	Nov. 2	1973
Pick, John	Centralia	Marion	38	Illinois	Nov. 2	1978
Placek, Frank	Christopher	Franklin	33	Illinois	April 20	1896
Polakes, Felix	Westville	Vermilion	36	Illinois	Aug. 1	1967
Presnell, Cecil	Wilsonville	Macoupin	31	Illinois	Aug. 1	1968
Prudent, Eugene G.	Zeigler	Franklin	47	Ohio	April 20	1919
Pulliam, Henry	Royalton	Franklin	45	Indiana	April 20	1886
Ramsey, Guy	Christopher	Franklin	43	Illinois	April 20	1923
Richardson, R. L.	Centralia	Marion	50	Indiana	Nov. 2	1976
Roberts, William	West Frankfort	Franklin	31	Illinois	Jan. 23	1848
Robertson, Ira	Eldorado	Saline	39	Illinois	Aug. 1	1945
Rogers, Mathew H.	Herrin	Williamson	50	England	Aug. 1	1935
Rowland, George	Christopher	Franklin	42	England	Aug. 1	1964
Rowlands, John	Sawyerille	Macoupin	42	Illinois	Jan. 23	1818
Rushing, Raymond	Harrisburg	Saline	38	Illinois	Aug. 1	1953
Sanders, James	Pittsburg	Williamson	40	Illinois	Jan. 23	1840
Sanders, James	Zeigler	Franklin	27	Illinois	April 20	1898
Schooler, D. R.	Centralia	Marion	36	Missouri	April 20	1915
Scott, Earnest C.	Eldorado	Saline	39	Illinois	Aug. 1	1941
Sharknas, John	West Frankfort	Franklin	23	Illinois	April 20	1863
Shelton, Virgil	Panama	Montgomery	39	Kentucky	Aug. 1	1948
Simons, Jess F.	Eldorado	Saline	32	Kentucky	April 20	1888
Slavin, Raymond	Zeigler	Franklin	29	Texas	April 20	1858
Sliepecevic, Nick	Buckner	Franklin	32	Jugo Slavia	April 20	1925
Smith, Charles L.	Benton	Franklin	23	Illinois	April 20	1876
Smith, George R.	Danville	Vermilion	51	Scotland	Aug. 1	1965
Smith, Harry	Mt. Olive	Macoupin	37	Missouri	Nov. 2	1972
Sneyd, James, Jr.	Westville	Vermilion	34	Illinois	April 20	1864
Snow, Joe	Benton	Franklin	26	Ohio	Jan. 23	1815
Stein, Mike	Zeigler	Franklin	21	Illinois	April 20	1930
Stevens, William Earl	West Frankfort	Franklin	28	Illinois	April 20	1880
Stillely, Chas. D.	Benton	Franklin	29	Illinois	Jan. 23	1852
Stonecipher, Ralph	Centralia	Marion	25	Illinois	April 20	1867
Sundermeyer, H. E.	Centralia	Marion	46	Illinois	Nov. 2	1970
Tabor, Harry	Orient	Franklin	32	Illinois	Jan. 23	1821
Tarrach, A. C.	Staunton	Macoupin	37	Illinois	Nov. 2	1971
Thompson, John	Georgetown	Vermilion	29	W. Virginia	Aug. 1	1960
Ulz, Conrad, Jr.	Gillespie	Macoupin	25	Austria	Jan. 23	1822
Viviano, Charles	Panama	Montgomery	38	Italy	Nov. 2	1987
Walker, E.	Zeigler	Franklin	39	Ohio	April 20	1917
Walton, Jack	West Frankfort	Franklin	35	Tennessee	Jan. 23	1854
Watkins, Homer	Zeigler	Franklin	31	Illinois	Aug. 1	1958
Watson, Robert B.	Gillespie	Macoupin	36	Illinois	Jan. 23	1824
Weaver, Vernon C.	West Frankfort	Franklin	29	Missouri	Jan. 23	1826
Webb, Charles E.	Christopher	Franklin	32	Missouri	Jan. 23	1844
Williams, Frank	Springfield	Sangamon	39	Illinois	Aug. 1	1937
Williams, Louis Clifford	Zeigler	Franklin	26	Kentucky	April 20	1924
Williamson, John	Springfield	Sangamon	30	Illinois	Aug. 1	1944
Wilson, Earl	Centralia	Marion	30	Illinois	April 20	1912
Woodard, William	Georgetown	Vermilion	41	Illinois	Aug. 1	1962
Woodhouse, Harry	Taylorville	Christian	32	Illinois	Aug. 1	1940
Woodruff, Mark	Harrisburg	Saline	34	Kentucky	Aug. 1	1942
Young, Walter	Royalton	Franklin	33	Ohio	April 20	1883
Zimmerman, George	Springfield	Sangamon	47	Kansas	Aug. 1	1936

ELECTRICAL HOISTING ENGINEERS, 1931

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Brase, Paul H.	Edwardsville	Madison	38	Illinois	Jan. 23	437
Davison, George E.	Duquoin	Perry	28	Illinois	Aug. 1	442
DeSart, T. E.	Taylorville	Christian	47	Illinois	April 20	439
Fix, George A.	Belleville	St. Clair	32	Illinois	Jan. 23	436
Geolat, John F., Jr.	Belleville	St. Clair	31	Illinois	Jan. 23	434
Goalby, Frank, Jr.	E. St. Louis	St. Clair	46	Illinois	Jan. 23	430
Goalby, William L.	Belleville	St. Clair	42	Illinois	Jan. 23	438
Grieve, James	Belleville	St. Clair	64	Illinois	Jan. 23	431
Hadfield, Walter	Cartersville	Williamson	43	Illinois	Aug. 1	446
Harris, John W.	Tamara	Perry	37	Illinois	Aug. 1	441
Held, John	Belleville	St. Clair	40	Illinois	Jan. 23	433
Higgerson, Chester	Percy	Randolph	26	Illinois	Aug. 1	449
Kent, G. L.	Centralia	Marion	52	Iowa	Aug. 1	443
King, Alex.	Cartersville	Williamson	58	Illinois	Aug. 1	447
Matka, Joseph	Glen Carbon	Madison	46	Illinois	Aug. 1	445
Miller, Frank	Pleasant Plains	Sangamon	37	Illinois	Aug. 1	440
Patterson, F. S.	Belleville	St. Clair	53	Illinois	Jan. 23	432
Tasker, Thomas H.	Cartersville	Williamson	39	England	Aug. 1	448
Walker, Wiley	Valier	Franklin	39	Illinois	Aug. 1	444
Weygandt, Peter A.	Belleville	St. Clair	44	Illinois	Jan. 23	435

STEAM HOISTING ENGINEERS

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Davison, George E.	Duquoin	Perry	27	Illinois	Jan. 23	662
Grable, Edwin	Eldorado	Saline	28	Illinois	Jan. 23	661
Graham, Fay	Chatham	Sangamon	27	Iowa	April 20	663
Gregor Joseph	Edwardsville	Madison	38	Czechoslovakia	Aug. 1	665
Lazzell, Clyde F.	Westville	Vermilion	30	Illinois	April 20	664
Minor, W. E.	Galatia	Saline	35	Illinois	Nov. 2	668
Pflasterer, John W., Jr.	Freeburg	St. Clair	39	Illinois	Aug. 1	666
Plain, Jake L.	Sawyer	Macoupin	35	Illinois	Aug. 1	667

STEAM HOISTING ENGINEER PERMITS

Name	Post office	County	Age	Birthplace	Date of certificate	Number of certificate
Bovinet, C. E.	Keensburg	Wabash	46	Indiana	Sept. 17	182
Brown, Earl Elder	Belmont	Wabash	26	Illinois	April 20	177
Buhe, Noah	Edwards	Peoria	36	Virginia	Dec. 5	186
Davidson, John E.	Duquoin	Perry	43	Illinois	Mar. 6	173
Dyer, Henry	Sherman	Sangamon	35	Illinois	Nov. 24	185
Gregor, William	Edwardsville	Madison	34	Bohemia	Sept. 19	183
Kennard, Chas. E.	Keensburg	Wabash	35	Illinois	Dec. 7	187
Kloth, Otto	Blair	Randolph	40	Illinois	Mar. 13	174
Loughran, P. K.	Fairbury	Livingston	50	Scotland	April 20	176
Meier, John E.	Petersburg	Menard	31	Illinois	Nov. 9	184
Miller, Harry L.	Mt. Carmel	Wabash	38	Pennsylvania	May 4	178
Neal, Dallas	Duquoin	Perry	38	Illinois	Sept. 8	178
Morris, Robert	DeSoto	Jackson	21	Illinois	Dec. 14	188
Peterson, Ernest	Roseville	Warren	29	Illinois	Aug. 1	179
Peterson, Glen	Roseville	Warren	26	Illinois	Aug. 1	180
Pierson, Luther	Palestine	Crawford	39	Illinois	Dec. 14	189
Van Matre, Dewey	Keensburg	Wabash	33	Illinois	April 25	175
Wallace, L. L.	Mt. Carmel	Wabash	29	Illinois	July 6	177

